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Vol. XIII DECEMBER, 1929 No. 2

THE HAMILTON COLLEGE BULLETIN

ANNUAL CATALOGUE

ONE HUNDRED AND EIGHTEENTH YEAR

1929 - 1930

CLINTON, N. Y.
PUBLISHED BY THE COLLEGE
1929

Vol. XIII DECEMBER, 1929 No. 2

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Published by the College four times a year, in November, December, April, and July. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized September 11, 1918

COLLEGE CALENDAR

First Semester, 1929-1930

1929

Sept. 16-18 Monday to Wednesday, Entrance Examinations.

Sept. 17-18 Tuesday and Wednesday, Registration of all Classes.

Sept. 18 Wednesday, 5 p. m. New Undergraduates meet the Dean in the Chapel.

Sept. 19 Thursday, 8:30 a. m. Beginning of the Academic Year.

Sept. 21 Saturday, 2 p. m. Entrance Examinations in Science.

Thanksgiving Recess, from November 27, Wednesday, 4:30 p.m., to November 29, Friday, 1:30 p.m.

Christmas Recess, from December 19, Thursday, 4:30 p. m., to January 3, Friday, 8 a. m.

1930

Jan. 20-29 Semester Examinations.

Second Semester

Feb. 3 Monday, 8 a. m. Beginning of the Second Semester.

Feb. 22 Saturday, Washington's Birthday.

Spring Recess, from March 28, Friday, 4:30 p. m., to April 8, Tuesday, 8 a. m.

Apr. 12 Saturday, before 12 o'clock noon, Prize Orations, Theses, and Essays due.

Apr. 18 Good Friday.

May 21 Wednesday, Submission of Elective Choices, all Classes.

May 27 Tuesday, Underwood Prize Examination in Chemistry.

May 28 Wednesday, McKinney Prize Debate, 8 p. m.

May 30 Friday, Memorial Day.

May 31 Saturday, Tompkins Prize Examination in Mathematics. Brandt Prize Examination in German.

June 2-11 Semester Examinations.

June 11 Wednesday, Final Chapel. Announcement of the Honors and Prizes of the Year.

Commencement Week

June	13	Friday, Class Day. Meeting of the Board of Trustees, 2 p. m. McKinney Prize Declamation Contest, 4 p. m. The Charlatans' Dramatic Exhibition, 8:15 p. m.
June	14	Saturday, Alumni Day. Meeting of the Society of Alumni, 10:30 a. m. Class Reunions, 12:30 p. m. The President's Reception, 4-6 p. m. Clark Prize Exhibition, 7:30 p.m.
June	15	Sunday, Baccalaureate Service, 10:30 a. m.
June	16	Monday, 118th Commencement.

Summer Vacation of Thirteen Weeks

First Semester, 1930-1931

Sept.	15-17	Monday to Wednesday, Entrance Examinations.
Sept.	16-17	Tuesday and Wednesday, Registration of all Classes.
Sept.	17	Wednesday, 5 p. m. New Undergraduates meet the Dean in the Chapel.
Sept.	18	Thursday, 8:30 a. m. Beginning of the Academic Year.
Sept.	20	Saturday, 2 p. m., Entrance Examinations in Science.

Thanksgiving Recess, from November 26, Wednesday, 4:30 p. m., to November 28, Friday, 1:30 p. m.

Christmas Recess, from December 22, Monday, 4:30 p. m., to January 6, Tuesday, 8 a. m.

1931		
Jan.	19-28	Semester Examinations.
Feb.	2	Monday, 8 a. m. Beginning of the Second Semester.

THE TRUSTEES

	ELECTED	TERM
Hon. Elihu Root, d.c.l., ll.d., Clinton, *Chairman*	1883	
Alexander C. Soper, ll.d., Lakewood, N. J.	1897	
Henry H. Benedict, ll.d., New York	1897	
Charles B. Rogers, ll.d., Clinton	1899	
Benjamin W. Arnold, a.m., Albany	1901	
Samuel F. Engs, a.b., New York	1904	1931
Rev. Robert G. McGregor, d.d., New Rochelle.	1910	1931
Reuben Leslie Maynard, a.m., New York	1910	1931
Joseph Rudd, ph.b., Clinton	1910	1931
William M. Bristol, a.b., New York	1912	1933
Daniel Burke, a.m., New York	1913	1934
Pres. Frederick C. Ferry, ph.d., sc.d., ll.d., Clinton	1917	
Robert D. Fraser, a.b., New Hartford	1921	1935
James H. Glass, m.d., Trenton Falls	1921	1935
Harry G. Kimball, a.m., New York	1922	1929
Charles A. Miller, a.b., Barneveld	1923	1930
John L. Strickland, a.b., Carthage	1923	1930
Elihu Root, Jr., a.m., New York	1924	1931
C. Willard Rice, a.b., Geneva	1924	1931
Ernst O. Heyl,* a.b., New York	1926	1930
Clark H. Minor, ph.b., New York	1927	1934
Neile F. Towner, a.b., Albany	1927	1934
Rev. Anthony H. Evans,* d.d., New York	1927	1931
Stuart B. Blakely,* m.d., Binghamton	1928	1932
Frederic P. Warfield, a.b., New York	1928	1935
James A. Chrestensen, a.b., Franklinville	1929	1936
Myron E. Carmer,* m.d., Lyons	1929	1933
Louis J. Ehret, ph.m., New York	1929	1936

* Elected by the Alumni of the College.

Committees of the Trustees

Executive Committee: MESSRS. FERRY, ROGERS, RUDD, FRASER, GLASS.

Ways and Means: MESSRS. BURKE, SOPER, BENEDICT, ARNOLD, MAYNARD, BRISTOL, KIMBALL.

Instruction and Government: MESSRS. MILLER, ROGERS, RUDD, BRISTOL, ROOT, JR., RICE, TOWNER.

Laboratory, Museum, and Apparatus: MESSRS. ENGS, ARNOLD, STRICKLAND, RICE, BLAKELY.

Library: MESSRS. MCGREGOR, BENEDICT, KIMBALL, STRICKLAND, MINOR.

Degrees: MESSRS. FERRY, MCGREGOR, GLASS, HEYL, TOWNER.

Buildings and Grounds: MESSRS. ROOT, MAYNARD, FERRY, MILLER, WARFIELD.

Undergraduate Activities: MESSRS. RUDD, ENGS, HEYL, EVANS, CARMER.

College Growth: MESSRS. FRASER, FERRY, EVANS, BLAKELY, CHRESTENSEN.

Finance: MESSRS. BURKE, ROOT, JR., MINOR.

Treasurer

CHARLES B. ROGERS, LL.D., Clinton

THE FACULTY*

FREDERICK CARLOS FERRY.....*President of the College and Professor of Mathematics.*

A.B., Williams, 1891; A.M., Williams, 1894, and Harvard 1895; Ph.D., Clark, 1898; Sc.D., Colgate, 1909; LL.D., Hamilton, and Williams, 1917, George Washington, 1921.

ALBRO DAVID MORRILL....*Stone Professor of Biology, Emeritus.*

B.S., Dartmouth, 1876; M.S., 1879; Sc.D., Colgate, 1926.

WILLIAM HARDER SQUIRES.....*John Stewart Kennedy Professor of Philosophy.*

A.B., Hamilton, 1888; A.M., 1891; Ph.D., Leipzig, 1901.

SAMUEL J. SAUNDERS.....*Professor of Physics and Instructor in Astronomy upon the Litchfield Foundation; Registrar.*

A.B., Toronto, 1888; A.M., 1893; D.Sc., Cornell, 1894.

WILLIAM PIERCE SHEPARD.....*Burgess Professor of the Romance Languages and Literatures.*

A.B., Hamilton, 1892; A.M., 1893; Ph.D., Heidelberg, 1896.

ARTHUR PERCY SAUNDERS.....*Childs Professor of Agricultural and of General Chemistry.*

A.B., Toronto, 1890; Ph.D., Johns Hopkins, 1894.

EDWARD FITCH.....*Edward North Professor of Greek; Dean.*

A.B., Hamilton, 1886; Ph.D., Göttingen, 1896.

JOSEPH DARLING IBBOTSON...*Librarian; Instructor in Hebrew.*

A.B., Hamilton, 1890; A.M., 1894.

FRANK HOYT WOOD.....*James S. Sherman Memorial Professor of Political Science.*

A.B., Syracuse, 1891; A.M., 1894; A.B., Harvard, 1892; Ph.D., Leipzig, 1900.

* Arranged in the order of appointment to rank.

CALVIN LESLIE LEWIS.....*Upson Professor of Rhetoric and Oratory.*
A.B., Hamilton, 1890; A.M., New York University, 1901.

CLEVELAND KING CHASE....*Benjamin-Bates Professor of Latin.*
A.B., Oberlin, 1891; A.M., 1896; Litt.D., Colgate, 1919.

FRANK HUMPHREY RISTINE..*Hamilton B. Tompkins Professor of English Literature.*
A.B., Wabash, 1905; A.M., Columbia, 1907; Ph.D., 1910.

†MILLEDGE LOUIS BONHAM, JR.....*P. V. Rogers Professor of History.*
B. Litt., Furman, 1900; A.M., Columbia, 1910; Ph.D., 1911.

ALBERT IRA PRETTYMAN.....*Director of Physical Education.*
International Y. M. C. A. College, Springfield, 1906; B. P. E., 1927.

HORACE SEELY BROWN.....*Professor of Mathematics; Clerk of the Faculty.*
B.S., Lafayette, 1899; M.S., 1905.

WILLIAM MASSEY CARRUTH...*Pratt Professor of Mathematics.*
A.B., Cornell, 1901.

NELSON CLARKE DALE.....*Professor of Geology.*
B.S., Middlebury, 1903; A.M., Brown, 1909;
Ph.D., Princeton, 1914.

EDWARD FRANKLIN HAUCH.....*Professor of the German Language and Literature.*
A.B., Toronto, 1907; A.M., Columbia, 1909; Ph.D., 1916.

ROBERT BARNES RUDD.....*Professor of English Literature.*
A.B., Hamilton, 1909; B.A., Oxford, 1912; A.M., Hamilton, 1913.

DONALD BLYTHE DURHAM.....*Professor of Latin and Greek.*
A.B., Princeton, 1905; A.M., 1906; Ph.D., 1911.

FRANCIS LESTER PATTON.....*Professor of Economics.*
A.B., Ohio State University, 1913; B.A., Oxford, 1916;
M.A., 1919; Ph.D., Columbia, 1926.

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† Absent on leave.

PAUL ADEE FANCHER.....*Professor of English.*
A.B., Amherst, 1910; A.M., Columbia, 1916.

BERRIAN RANKIN SHUTE.....*Professor of Music Appreciation.*
Institute of Musical Art in New York, 1910-1916.

JEAN MARIUS GÉLAS.....*Director of Physical Education.*
École Normale Militaire d'Escrime et de Gymnastique,
Joinville-le-Pont, France, 1898-1902.

WILLARD BOSTWICK MARSH...*Professor of English Composition and Public Speaking.*
A.B., Hamilton, 1912; A.M., 1915; A.M., Princeton, 1917.

ARTHUR RALPH WINTERS.....*Director of Physical Education.*
A.B., Oberlin, 1923.

WALTER NORTON HESS.....*Stone Professor of Biology.*
A.B., Oberlin, 1913; A.M., Cornell, 1916; Ph.D., 1919.

RALPH CLEWELL SUPER.....*Associate Professor of Spanish, French, and German.*
A.B., Ohio University, 1895; Diploma of Grenoble, France, 1899.

GEORGE ELLAS WISEWELL.....*Associate Professor of Romance Languages.*
Ph.B., Hamilton, 1904; A.M., Johns Hopkins, 1911;
Ph.D., Wisconsin, 1918.

WALTER HERMAN CARL LAVES.....*Associate Professor of Political Science.*
Ph.B., Chicago, 1923; Ph.D., 1927.

BOYD CRUMRINE PATTERSON.....*Associate Professor of Mathematics.*
A.B., Washington and Jefferson, 1923; A.M., Johns Hopkins, 1925;
Ph.D., 1926.

EDGAR BALDWIN GRAVES.....*Associate Professor of History.*
A.B., Haverford, 1919; A.M., 1922; Ph.D., Harvard, 1929.

ASA EMANUEL MCKINNEY....*Associate Professor of Chemistry.*
A.B., Indiana University, 1914; A.M., 1915; Ph.D., Cornell, 1923.

MOX ARTHUR WEBER.....*Associate Director of Physical Education.*
A.B., Oberlin, 1925.

EARL ORLO BUTCHER.....*Associate Professor of Biology.*
A.B., DePauw University, 1925; A.M., Cornell, 1926; Ph.D., 1928.

GEORGE LOVELAND RIDGEWAY.....*Associate Professor of American History.*
A.B., Princeton, 1923; B.Litt., Oxford, 1928.

HOWARD COMFORT.....*Assistant Professor of Greek and Latin.*
A.B., Haverford, 1924.

LEWIS HALL GORDON.*Assistant Professor of Romance Languages.*
A.B., Princeton, 1927; A.M., 1928.

FRANCIS WINFIELD SMITH.....*Assistant Professor of English.*
A.B., Hamilton, 1922.

PAUL BERNHARDT HAIST.....*Instructor in German.*
A.B., North Central, 1926; A.M., Hamilton, 1929.

CASSIUS WILD CURTIS.....*Instructor in Physics.*
A.B., Williams, 1928.

DONOVAN RICE MEREDITH.....*Instructor in Geology.*
A.B., Toronto, 1929.

FRANCIS EDWARD MINEKA.....*Instructor in English.*
A.B., Hamilton, 1929.

WINTON TOLLES.....*Instructor in Public Speaking.*
A.B., Hamilton, 1928.

EDWARD WALES ROOT.....*Lecturer on Art.*
A.B., Hamilton, 1905; A.M., 1908.

Committees of the Faculty

Schedule and Studies: Mr. Carruth, The President, Messrs. Ristine, Durham, Marsh, Graves.

Discipline: The President, The Dean, Messrs. Brown, Fancher, Marsh; and four members of the Senior Class, representing the undergraduates.

Attendance and Scholarship: The President, The Dean, Messrs. Brown, Dale, McKinney.

Undergraduate Activities: Messrs. Ristine, A. P. Saunders, Prettyman, Hess, Wisewell.

Reading: The President, Messrs. Squires, A. P. Saunders, Lewis, Rudd, Marsh.

Library: Messrs. Ibbotson, Squires, Shepard, Laves, Patterson, Ridgeway.

Admissions: The President, Messrs. Fitch, Chase, Ristine, Hauch, Super, and Johnson, Secretary.

Record of Scholarship: The Registrar, Messrs. Brown, Carruth, Patton, Patterson.

Catalogue: Messrs. Ibbotson, Durham, Patton, Super, Wisewell, Butcher.

Research: Mr. Shepard, The President, Messrs. Ibbotson, Dale, Hess, Graves.

Music Appreciation: The President, Messrs. A. P. Saunders, Chase, Fancher, Shute, Marsh.

Officers of Administration

FREDERICK CARLOS FERRY, PH.D., SC.D., LL.D. ..... *President*
CHARLES BUTLER ROGERS, A.M., LL.D. ..... *Treasurer*
EDWARD FITCH, PH.D. ..... *Dean*
JOSEPH DARLING IBBOTSON, A.M. ..... *Librarian*
HORACE SEELY BROWN, M.S. ..... *Clerk of the Faculty*
SAMUEL J. SAUNDERS, D.SC. ..... *Registrar*
EDWARD MICHAEL COUGHLIN ..... *Bursar*
ELLIOT CRIM BURTON, B.S. ..... *Superintendent of Buildings and Grounds*
MOLLIE HARRIET ROBERTS, A.B. ..... *Secretary to the President*
WALLACE BRADLEY JOHNSON, PH.B. ..... *Secretary of Admissions*
RACHEL SWAN ROBERTS, A.B. ..... *First Library Assistant*
MRS. ROY BICKNELL DUDLEY, A.B. ..... *Library Assistant*
HELEN RUTH LOOMIS ..... *Library Assistant*
HELEN AGNES GAFFNEY ..... *Library Assistant*
RUTH BENTON SWARTWOUT ..... *Stenographer*
ADELAIDE MARY TIMIAN ..... *Stenographer*
LUCY CECELIA HICKOX ..... *Stenographer*
SARAH ORISSA JEWETT ..... *Stenographer*
ADELBERT JOHN DANFORD ..... *Manager of Commons*
WILLIAM WALLACE ..... *Assistant Superintendent of Grounds*

INFIRMARY STAFF

VARNEY BERNARD HAMLIN, M.D. ..... *College Physician*
KATHERINE GERTRUDE WELCH, R.N. ..... *Resident Nurse*

EARLY HISTORY

Hamilton College is the outgrowth of the labors of Samuel Kirkland, missionary to the Oneida Indians through the latter half of the eighteenth century. At the beginning of the Revolutionary War, Kirkland's influence drew many Iroquois to the Colonial cause, and materially contributed to the successful issue of the Battle of Oriskany and the relief of Fort Stanwix. This service and others during the Revolution, followed by frequent interposition in behalf of friendly relations between the Indians and the white settlers, won for Kirkland the confidence and regard of Washington and Hamilton. When Kirkland determined to establish a school for the Indians and the sons of pioneers, Hamilton gave his support to the project, and became the first trustee of the Hamilton Oneida Academy. The Academy was chartered by the Regents of the University of the State of New York, January 29, 1793. The State and the Indians had granted to Kirkland in 1788 a tract of wild land in what is now the Town of Kirkland, a portion of which was set aside for the new institution. Here, in a small clearing, at a spot just south of the present Chapel, the corner-stone of the first building was laid by Baron Steuben, July 1, 1794. The school expanded, until in 1810 its students numbered 170. Two years later, May 26, 1812, the college charter was granted.

Purpose

In a period of rapid changes in educational theory, Hamilton College chooses to preserve the earlier college ideals. It believes that the discipline of language-training is an essential part of the preparation for subsequent specialization in any field of study, as well as the basis for a critical appreciation of literature; that the mastery of subjects of approved disciplinary and cultural value is

a means of giving students a broad and liberal training for life; and that, in the diversity of modern educational needs, there is a definite place for the small college that emphasizes the humanities.

While the College thus vigorously maintains the cultural ideal, it aims to neglect no subject that is essential to a well-rounded education. The modern languages are not sacrificed to the ancient, nor the natural sciences to philosophical or historical studies. Laboratory training in the methods of science forms an integral part of the scheme of studies prescribed as the basis of a liberal education. At the same time, students may receive thorough preparation for the scientific and the medical schools. Instruction in the principles of constitutional government, begun under Theodore W. Dwight about 1845, and extended to follow the advance of constitutional government throughout the world, is designed to equip men for intelligent citizenship. The College has long enjoyed a reputation for the efficient training in public speaking which it imparts to all its students, and work in this department is required of every undergraduate throughout his course.

By the application of a group system of electives, the College aims to secure breadth without superficiality, and thoroughness without cramping rigidity. It demands intensive work on the part of its students, and it strives to offer them breadth of educational and spiritual outlook.

ADMISSION

Methods of Admission to the Freshman Class

Admission to the Freshman Class of the College in September is to be secured in various ways described below. It is to be noted, however, that the total annual enrollment has been limited to four hundred undergraduates. Since many more candidates seek admission each year than can possibly be received, the College is obliged to make selection among them. In the making of this selection, the chief weight is given to scholarship and character.

1. By the Examinations of the College Entrance Examination Board. Applications for examinations conducted by this Board must be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N. Y., and must be made upon a blank form to be obtained from the Secretary of the Board at least three weeks in advance of the examination. The fee is ten dollars for all candidates. These examinations will be offered at the College, June 16-21, 1930, in accordance with the schedule published by the College Entrance Examination Board.

2. By Examination at the College. Entrance examinations will be held in the several department rooms, September 15-20, 1930, as follows:

Monday, Sept. 15	Latin, 2 to 5 p. m.
Tuesday, Sept. 16	Mathematics, 8:30 to 11:30 a. m. English, 2 to 5 p. m.
Wednesday, Sept. 17	Greek, 8:30 to 11:30 a. m. Modern languages, 8:30 to 11:30 a. m. History, 2 to 4 p. m.
Saturday, Sept. 20	Biology, Chemistry, Physics, Physical geography, 2 to 5 p. m. Advanced mathematics, 2 to 5 p. m.

Any of these examinations may be taken one year before admission to college.

3. By the Examinations of the Regents of the University of the State of New York. The results of the Regents' examinations are accepted for the purposes of admission to college. It is required, however, that the marks average at least as high as seventy in all the examinations offered; or, if they fail of this average as a whole, those individual subjects may still be credited where the mark is as high as seventy, while further examinations are required in the others.

4. By Certificate from the Principal of the School in which the Candidate has prepared. Such schools must have been approved by the Faculty of the College. Blank certificates will be sent by the President upon request, and should be filed with him as early as possible.

Requirements for Admission

Fifteen units of secondary school subjects are required. A unit in any subject represents a year's study, constituting approximately a quarter of a full year's work. Under ordinary circumstances, a satisfactory year's work in any subject cannot be accomplished in less than 120 sixty-minute periods or their equivalent.

Required

English	3 units	Foreign Language, of which at least two units must be in Latin or Greek	5 to 7 units
Algebra	2 units		
Plane Geometry	1 unit		
History	1 unit		
		Elective	3 to 1 units
		Total	15 units

ELECTIVE (if not included above)

Elementary German	2 units	Ancient, European, English, American, and Modern History, each	1 unit
Advanced German	1 unit	Biology	1 unit
Elementary French	2 units	Chemistry	1 unit
Advanced French	1 unit	Physics	1 unit
Elementary Spanish	2 units	Physical Geography	1 unit
Advanced Spanish	1 unit	Adv. Mathematics	½ to 1½ units
Fourth year of Latin	1 unit		
Third year of Greek	1 unit		
Civics	½ unit		

A single elementary year of a language is not counted as fulfilling any unit of these requirements. The third year of advanced language study may, however, be presented as a required or an elective unit.

Part, at least, of the preparatory work in algebra should be done in the final year in the secondary school.

The following combinations of foreign languages and elective subjects may be made, eight units in each case. These, added to the seven units in English, mathematics, and history, satisfy the total requirement of fifteen units.

ADMISSION GROUPS

I		II		III		IV	
Latin	4	Latin	4	Latin	4	Latin	4
Greek	3	Greek	2	Mod. L.	3	Mod. L.	2
Elect.	1	Elect.	2	Elect.	1	Elect.	2
	8		8		8		8

V		VI		VIII		VIII	
Latin	3	Latin	3	Latin	3	Latin	2
Mod. L.	3	Mod. L.	2	Mod. L.	2	Mod. L.	3
Elect.	2	Mod. L.	2	Elect.	3	Elect.	3
		Elect.	1				
	8		8		8		8

A like number of units of admission Greek are accepted as a substitute for Latin in Admission Groups V-VIII.

A candidate slightly deficient in any subject required for admission may be admitted with a condition in that subject. For the removal of the condition the department concerned will fix a program of study, and will set an examination not later than the opening of the second semester. Credit for the removal of admission conditions shall not be given for examinations other than those specifically approved in advance by the Faculty.

A satisfactory testimonial of conduct and character is required of all candidates for admission.

Definition of Requirements

English

Definition of the Requirements

Habits of correct, clear, and truthful expression. This part of the requirement calls for a carefully graded course in oral and written composition, and for instruction in the practical essentials of grammar. In all written work constant attention should be paid to spelling, punctuation, and good usage. In all oral work there should be constant insistence upon the elimination of such elementary errors as personal speech-defects, foreign accent, and obscure enunciation.

Ability to read with intelligence and appreciation works of moderate difficulty; familiarity with a few masterpieces. Two lists of books are provided from which a specified number of units must be chosen for reading and study. The first includes books appropriate for the earlier years in the secondary school. These should be read, in some cases studied, with a measure of thoroughness appropriate for immature minds. The second includes books for the closer study warranted in the later years. The progressive course formed from the two lists should be supplemented by home reading on the part of the pupil and by classroom reading on the part of pupils and instructor. It should be kept constantly in mind that the main purpose is to cultivate a fondness for good literature and to encourage the habit of reading with discrimination.

Books for Reading

The books provided for reading are arranged in five groups, from each of which at least two selections are to be made, except that for

any book in group 5 a book from any other group may be substituted. Selections are set off by semicolons.

GROUP 1. Dickens' *A Tale of Two Cities;* George Eliot's *The Mill on the Floss;* Scott's *Ivanhoe* or *Quentin Durward;* Stevenson's *Treasure Island* or *Kidnapped;* Hawthorne's *The House of the Seven Gables;* Cooper's *The Last of the Mohicans.*

GROUP 2. Shakespeare's *Merchant of Venice; Julius Cæsar; King Henry V; As You Like It; The Tempest.*

GROUP 3. Chaucer's *Canterbury Tales* (selections); Scott's *The Lady of the Lake;* Coleridge's *The Ancient Mariner,* and Arnold's *Sohrab and Rustum;* a collection of representative verse, narrative and lyric; Tennyson's *Idylls of the King* (any four); the *Æneid* or the *Odyssey* or the *Iliad* in a translation of recognized excellence, with the omission, if desired, of Books I-V, XV, and XVI of the *Odyssey* and Books XI, XIII-XV, and XXI of the *Iliad;* Longfellow's *Tales of a Wayside Inn; Beowulf,* in a translation of recognized excellence.

GROUP 4. The *Old Testament* (the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther); Irving's *Sketch Book* (about 175 pages); Addison and Steele's *Sir Roger de Coverley Papers;* Macaulay's *Lord Clive,* or *History of England,* chapter 3; Franklin's *Autobiography;* Emerson's *Representative Men.*

GROUP 5. A modern novel; a collection of short stories (about 250 pages); a collection of contemporary verse (about 150 pages); a collection of prose writings on matters of current interest (about 150 pages); a collection of scientific writings (about 150 pages); a selection of modern plays (about 250 pages); a modern biography or autobiography.

Books for Study

One selection is to be made from each of groups 1 and 2, and two selections from group 3.

GROUP 1. Shakespeare's *Macbeth; Hamlet.*

GROUP 2. *Milton's L'Allegro, Il Penseroso,* and either *Comus* or *Lycidas;* Browning's *Cavalier Tunes, The Lost Leader, Good News from Ghent, Home Thoughts, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus, One Word More.*

GROUP 3. Macaulay's *Life of Johnson;* Burke's *Speech on Conciliation with America;* Lowell's *On a Certain Condescension in Foreigners,* and *Democracy;* Carlyle's *Essay on Burns,* with a brief selection from Burns' poems; Lincoln's *Speech at Cooper Union,* his *Farewell to the Citizens of Springfield,* his brief addresses at *Indianapolis, Albany,* and *Trenton,* the speeches in *Independence Hall,* the two *Inaugurals,* the *Gettysburg Speech,* and his *Last Public Address,* together with a brief memoir.

MATHEMATICS

Elementary Mathematics

(A) ELEMENTARY ALGEBRA. This requirement consists of the requirements Mathematics A1 and Mathematics A2 combined. *Two units.*

(A1) ALGEBRA TO QUADRATICS. The meaning, use, evaluation, and necessary transformations of simple formulas; the graph, and graphical representation in general; negative numbers, their meaning and use; linear equations in one unknown quantity, and simultaneous linear equations involving two unknown quantities; ratio, as a case of simple fractions; proportion as a case of an equation between two ratios; variation; exponents and radicals, simple cases; numerical trigonometry; problems. *One unit.*

(A2) QUADRATICS AND BEYOND. Numerical and literal quadratic equations in one unknown quantity; the binominal theorem for positive integral exponents, with applications; arithmetic and geometric series; simultaneous linear equations in three unknown quantities; simultaneous equations, consisting of one quadratic and one linear equation, or of two quadratic equations; exponents and radicals; logarithms; problems. *One unit.*

(B) ADVANCED ALGEBRA. Theory of equations; determinants; complex numbers, numerical and geometric treatment; simultaneous quadratics; mathematical induction; permutations and combinations; probability; partial fractions. *One-half unit.*

(C) PLANE GEOMETRY. The usual theorems and constructions of good text-books, including the general properties of plane recti-linear figures; the circle and measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle; original exercises, including loci problems; numerical applications to the mensuration of lines and plane surfaces. *One unit.*

(D) SOLID GEOMETRY. The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere

and the spherical triangle; original exercises, including loci problems; applications to the mensuration of surfaces and solids. *One-half unit.*

(E) TRIGONOMETRY. Definitions and relations of the six trigonometric functions as ratios; functions of zero, thirty, forty-five, sixty, ninety degrees, and of angles differing from these by multiples of ninety degrees; circular measure of angles; proofs of the fundamental formulas, and of simple identities derived from them; solution of trigonometric equations; theory and use of logarithms, without the introduction of work involving infinite series; use of trigonometric tables, with interpolation; derivation of the formulas used in the solution of triangles; solution of right and oblique triangles, both with and without logarithms. *One-half unit.*

HISTORY

Ancient History, European History, English History, Modern History, and United States History may each be offered as one unit for entrance. An accurate text-book of about 500 pages should be covered, and supplemented by suitable parallel readings of about 1,000 pages. Attention should be paid to historical geography. The examination will call for comparison of historical characters, periods, and events, and for the exercise of judgment as well as of memory.

LATIN

The requirement for admission by examination is that of the College Entrance Examination Board, as stated below. The statement also indicates the preparation recommended for a candidate who presents a principal's certificate for admission. The requirement in a modified form is incorporated in the Syllabus of the New York State Education Department, whose credentials are accepted. For a candidate who offers but three units of Latin, requirement I, 2, or I, 3, below, is omitted; for one who offers only the two units required of candidates for the degree of Bachelor of Science, I, 2, and I, 3, below, are both omitted.

I. Amount and Range of Reading Recommended

There are no prescribed readings in Latin; but recommendations are made as follows:

(1) In the second year the early reading should be easy Latin which may be "made" or adapted Latin; not less than one semester of this year should be devoted to the reading of selections from Caesar. The year's

work may also include easy selections from such authors as Aulus Gellius, Eutropius, Nepos, Phaedrus, Quintus Curtius Rufus, and Valerius Maximus.

(2) In the third year, if the reading be in prose, not less than one semester should be devoted to Cicero; the year's work may also include selections from such authors as Pliny, Sallust, and Livy.

(3) In the fourth year, if the reading be in poetry, not less than one semester should be devoted to Vergil; and the year's work may also include selections from Ovid or other Latin poets.

II. Description of the Examination

The examination will be adapted to the proficiency of those who have studied Latin in a systematic school course of five lessons each week extending through two, three, or four years. The paper will include: (1) passages of Latin prose and verse for translation, of varying degrees of difficulty; (2) English passages for translation into Latin, for candidates presenting two or three years of Latin. Candidates presenting four years of Latin at one time are also required to take this part of the examination; (3) questions on forms, syntax and idioms in connection with the different passages set for translation, as well as questions, historical and literary, on the subject matter.

Greek

The requirement is substantially as defined by the New York State Education Department in its Syllabus, and by the College Entrance Examination Board.

(1) Greek Grammar; Xenophon's *Anabasis,* Books 1-4; the translation at sight of easy Greek prose; the translation into Greek of simple sentences based upon Books 1-2 of the *Anabasis,* in order to test the candidate's knowledge of forms and important principles of syntax. *Two units.*

(2) Homer's *Iliad,* Books 1-3 (omitting the catalogue of the ships), or an equivalent amount of the text of Homer. This includes Homeric forms, constructions, and prosody. *One unit.*

The requirements as above stated apply to candidates who are admitted either by certificate or by examination; and to competitors for the Maynard and Brockway Entrance Prizes and the Fayerweather Scholarships in so far as such competitors offer Greek as an entrance subject.

Modern Languages

The requirements follow the recommendations of the Committee of Twelve of the Modern Language Association of America, upon which the more detailed statements of the College Entrance Examination Board and of the New York State Education Department are based.

A fluent reading knowledge of the language studied should be the immediate objective. Constant drill on pronunciation, oral and written drill on the forms of grammar, syntax, vocabulary, and idiom are of vital importance in the acquisition of a satisfactory reading knowledge and form at the same time the best basis for further progress in speaking and writing the language. The examination may include a test in pronunciation and ability to understand the spoken language. Schools certifying a candidate for admission must state whether he has received this training.

French

(A) Elementary French. The work of the first year should comprise: (1) careful drill in pronounciation; (2) the rudiments of grammar, including the inflection of adjectives, participles, and pronouns, the use of personal pronouns, adverbs, prepositions, and conjunctions, the order of words in a sentence, and the elementary rules of syntax, with constant drill upon exercises illustrating these principles; (3) the reading of at least 100 pages of graduated texts, with constant practice in translating into French easy variations of the sentences read, and in reproducing from memory sentences previously read; (4) simple conversation and writing of French from dictation. The work of the second year should comprise: (1) the reading of at least 250 pages of easy modern prose in the form of stories, plays, or historical and biographical sketches; (2) constant practice in translating into French variations on the texts read; (3) frequent abstracts, oral and written, of portions of the texts already read; (4) writing French from dictation; (5) continued drill in the rudiments of grammar and in the writing of sentences illustrative of grammatical principles; (6) conversation, and the answering in French by the student of questions based on the text read. *Two units.*

(B) Advanced French. A systematic course of five periods a week, extending over a third school year, in addition to the elementary course, should comprise: (1) at least 400 pages of French of ordinary difficulty, a portion to be in dramatic form; (2) constant practice in giving French paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; (3) the study of a grammar of moderate

completeness; (4) writing from dictation; (5) continuation of the drill in oral and auricular training. At the end of this course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a thorough knowledge of syntax and morphology. *One unit.*

German

(A) Elementary German. The work of the first year should comprise: (1) Careful drill upon pronunciation; (2) drill upon the rudiments of grammar with simple conversational exercises and easy reading material as a basis; the inflexion of the articles, common nouns and adjectives, pronouns, weak verbs, and the more usual strong verbs; the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; (3) the reading of from 75 to 100 pages of graduated texts from a reader; (4) abundant easy oral and written exercises designed to fix the forms and principles of grammar and to cultivate readiness in the use of the natural forms of expression. The work of the second year should comprise: (1) the reading of about 200 pages of easy narrative or drama with abundant oral and written reproduction of the content; (2) constant drill on pronunciation, and the rudiments of grammar, with the use of a set of graded sentences for translation. *Two units.*

(B) Advanced German. In addition to the elementary course, the work should comprise: (1) the reading of from 400 to 500 pages of standard prose and poetry; (2) the continuation of oral and written reproduction of texts read, drill on pronunciation, grammar, and composition. In composition the emphasis should be upon speed and accuracy rather than upon the translation of difficult and unusual forms. Reading texts should be chosen for their literary and cultural value; the best books are not usually the most difficult. *One unit.*

Spanish

(A) Elementary Spanish. The two years' work should comprise the following: careful drill in pronunciation; a complete study of some good grammar; mastery of all but the rare irregular verbs; the inflection of nouns, adjectives, and pronouns; the elements of syntax; the reading of at least 300 pages of modern Spanish; exercises containing illustrations of the principles of grammar, and practice in translating into Spanish variations of texts read; writing Spanish from dictation. *Two units.*

(B) ADVANCED SPANISH. The work of a third year should comprise the reading of 300 to 400 pages of Spanish of ordinary difficulty; constant practice in giving Spanish paraphrases, abstracts, or reproductions from memory of portions of the matter read; the study of grammar; the use of a composition book; writing from dictation. *One unit.*

BIOLOGY

The requirement of one unit may be satisfied by presenting any one of the following subjects:

(A) GENERAL BIOLOGY. The activities of living things should be the central idea. The work should include a study of the functions of representative plants and animals, and their relation to each other and to their environment. These studies should be bound together by a knowledge of the common laws of living organisms. *One unit.*

(B) BOTANY. A study of examples of the great groups of plants should include the general laws of plant physiology, the fundamental facts of plant structure, and the relation of plants to animals and to man. *One unit.*

(C) ZOOLOGY. Representative common animals should be studied in field and laboratory that a knowledge of their habits and structure and of their structural and economic relation to man may be obtained. The relationship of plants to animals should also be considered. *One unit.*

As an essential part of any of these methods of meeting the requirement, a certified note-book with drawings and description of work done should be presented with the certificate, or at the time of examination. A more detailed account of the requirement may be found in the Syllabus of the New York State Education Department or in the publications of the College Entrance Examination Board.

CHEMISTRY

The requirement is substantially that specified in the Syllabus of the New York State Education Department. Not less than one-half of the course should be individual laboratory work devoted to the preparation and study of the common elements and compounds and to experiments illustrating important laws. The course should also include lecture-table demonstrations and the study of some good elementary text-book, with recitations covering the fundamental laws and theories of chemical combination, and the preparation, properties, and uses of the more

important metallic and non-metallic elements, and their compounds. *One unit.*

Physics

A detailed statement of the requirements may be found in the Syllabus of the New York State Education Department or in the publications of the College Entrance Examination Board. Preparations should include a knowledge of the general laws and principles of physics as presented in a text-book, together with at least thirty experiments selected from a list similar to that given in the Syllabus. The candidate taking the examination here should present his note-book, with certification by his instructor that the experiments were satisfactory to him and were performed by the student himself. One who does not offer a note-book may meet the requirement by showing ability to solve more difficult problems in theoretical physics. *One unit.*

Admission to Advanced Standing

An undergraduate who comes from an approved institution of collegiate rank and presents an official statement of honorable dismissal and of his previous work may receive credit for such work without examination. This statement must include a full list of his accepted preparatory subjects, and a list of his college courses with his record therein. Such admission by transfer is ordinarily granted only when the applicant has maintained a standing in the upper half of his class.

To compete for honors or prizes based in any way upon collegiate work done previous to entrance here, an undergraduate may be required to pass examinations covering such work.

Registration

A special registration, not later than August 1, is required of all undergraduates who are returning to College in September. A fee of $25 attends this registration, which will be credited on the first semester's College bill.

All undergraduates are required to register on the Tuesday or Wednesday before the opening of the first semester. For this purpose the Committee on Schedule and Studies will be in session at hours to be bulletined. At this time all freshmen make their election of courses for the year, according to the regulations on pages 29 and 30.

All new students meet the Dean in the Chapel at 5 o'clock on the last day of registration.

Entrance Prizes and Scholarships

Prizes and prize scholarships are awarded upon the basis of the September examinations as follows:

(1) The Maynard Prize of $100.

(2) The Brockway Prize of $25.

(3) The five Fayerweather Prize Scholarships, yielding $100 each for freshman year.

A detailed statement regarding these competitions is to be found on pages 59 and 65.

There is a limited number of non-competitive scholarships which are available for freshmen. A statement of the conditions under which these scholarships are awarded is to be found on pages 56-57 under the heading "Scholarships."

CURRICULUM AND GRADUATION

The curriculum provides courses leading at graduation to two degrees, Bachelor of Arts (A.B.) and Bachelor of Science (B.S.). At admission the undergraduate may register for either degree as he chooses. The curriculum in either case calls for four years of work, but it is possible for students of high standing to shorten the time of residence by taking extra courses.

The following statements apply to candidates for both degrees except where otherwise indicated:

1. The requirement for graduation demands the completion of 136 semester hours of required and of properly chosen elective courses. (For undergraduates who complete the requisite elective courses in less than four years, certain required hours are omitted; see page 31). A semester hour represents one hour of classroom work (or two hours of laboratory work) per week through half of the college year. Normally an undergraduate takes in each semester in freshman year 16 semester hours, in sophomore year 18, in junior year 17, and in senior year 17. No undergraduate is allowed to take more than 21 or less than 14 hours in any semester without special permission of the Faculty; but any deviation from the normal number is subject to the approval of the Committee on Schedule and Studies.

2. To meet the requirements for graduation, an undergraduate must so arrange his program as to concentrate in two departments of study. These two subjects constitute his majors. A major consists of at least three year-courses in one of the following departments: Greek, Latin, German, Romance Languages, English Language and Literature, Philosophy, Ethics and Christian Evidences, History, Political Science, Economics, Music Appreciation, Mathematics, Biology, Chemistry, Physics, Geology. A major must be begun not later than junior year and continued, if the

curriculum permits, to graduation. If the major is begun in freshman year, four instead of three year-courses are required if the department concerned offers a sufficient number of courses. The courses chosen for the major under the general rules stated must be approved in each particular case by the Committee on Schedule and Studies.

3. At least six semester hours in one of the natural sciences and at least twelve semester hours in either French or German must be taken in college.

4. Candidates for the A.B. degree must take one ancient and one modern language in freshman year.

5. Candidates for the B.S. degree must take two modern languages in freshman year and complete two majors in Group C (see Elective Courses, p. 31).

6. An undergraduate who, after completing courses leading toward one of the degrees, desires to become a candidate for the other degree, may do so with the approval of the Committee on Schedule and Studies. Any hitherto unsatisfied requirement for the degree sought must be met before the change becomes effective.

7. All courses are arranged as year-courses and are to be taken accordingly. In the notation used, an odd numeral refers to the first semester portion of the course and an even numeral to the second semester portion.

8. An undergraduate who desires to receive credit for work in a summer school must apply to the Faculty in advance for approval of his plans.

Descriptions of the courses are to be found under the heading "Departments of Instruction."

Courses of Freshman Year

REQUIRED OF ALL FRESHMEN

Mathematics 1-2.....3 hours

English Composition 1-2
Public Speaking 1, 3-4 } .....4 hours

A foreign language.....3 hours
A second foreign language.....3 hours
An elective.....3 hours
Hygiene and Physical Training
Total.....16 hours

Foreign Language Courses Open to Freshmen

Greek 5-6 (prerequisite, 3 units of entrance Greek).
Greek 3-4 (prerequisite, 2 units of entrance Greek).
Greek 1-2 (beginners' course).
Latin 1-2 (prerequisite, 3 or 4 units of entrance Latin. No Latin course is open to students who present only 2 units of that language for entrance; but such undergraduates may qualify for the degree of Bachelor of Arts by taking in college Greek 1-2 and Greek 3-4 instead of Latin).
German 3-4 (prerequisite, 2 or 3 units of entrance German).
German 1-2 (beginners' course).
French 3-4 (prerequisite, 2 or 3 units of entrance French).
French 1-2 (beginners' course).
Spanish 3-4 (prerequisite, 2 or 3 units of entrance Spanish).

Elective Courses Open to Freshmen

A third foreign language
Art 5-6, Choral Music
History 1-2
Biology 1-2
Chemistry 1-2

For their foreign language courses in the freshman year, candidates for the degree of Bachelor of Arts take a modern language and either Greek or Latin; candidates for the degree of Bachelor of Science take two modern languages; and in either case a third foreign language may be taken as an elective if the candidate desires.

An undergraduate who takes the beginners' course in Greek, German, or French in freshman year must take the second course in that language in sophomore year.

An undergraduate who offers four and one-half units of mathematics at admission must take Mathematics 3-4 instead of Mathematics 1-2 in freshman year.

Courses of Sophomore, Junior, and Senior Years

Required Courses

In sophomore year six semester hours and in junior and senior years four semester hours of work in the Department of English Composition and Public Speaking are required of all undergraduates. But those who otherwise qualify for graduation in less than four years are excused from that part of this work which extends beyond their period of residence.

Elective Courses

Except for the required work as above described, all courses of sophomore, junior, and senior years are elective. The choice of courses is made under a group system, the departments of study being arranged in three groups, as follows:

Group A. Foreign Languages.

Group B. English Composition and Public Speaking, English Literature, Philosophy, History, Political Science, Economics, Ethics, Art, Music Appreciation.

Group C. Mathematics, Natural Sciences.

Regulations Governing Electives

1. All courses are continuous through the year and must be elected accordingly.

2. Three exercises a week are assigned to all courses.

3. Courses for the next year are chosen at the end of freshman, sophomore and junior years respectively.

4. A foreign language begun in freshman year must be continued through sophomore year.

5. In sophomore and in junior year an undergraduate must take at least one course from each group, and in senior year at least one course from each of two groups.

6. The elective courses must be so chosen as to comply with the requirements in paragraphs 1 to 5 on pages 28 and 29.

7. After freshman year an undergraduate may take any elective course offered to his own or to a lower class if he has satisfied its prerequisites.

8. The choice of studies for the year must be made not later than the fourth Wednesday in May. This choice may not be changed except by permission of the Committee on Schedule and Studies. Changes are not permitted after the first week of the semester. All elective cards must conform to the regulations as given above, and all courses must be numbered and indicated as in the Summary of Elective Courses.

Summary of Elective Courses by Groups

Sophomore Year

Group A

Greek 5-6: Plato, Theocritus.
Greek 3-4: Homer.
Latin 3-4: Tacitus and Pliny, Catullus and Cicero.
German 3-4: Intermediate German.
German 5-6: German Drama.
French 3-4: Intermediate French, Modern Comedy.
French 5-6: French Drama.

Group B

English Literature 1-2: General Introduction.
Philosophy 1-2: Psychology, Logic.
History 1-2: Medieval and Modern Europe.
History 3-4: England and the British Empire.
History 7-8: North America.
Political Science 1-2: American Government.
Art 5-6: Choral Music.

Group C

Mathematics 3-4: Analytic Geometry, Calculus.
Biology 3-4: Anatomy, Embryology.
Biology 5-6: Heredity, Histology.
Chemistry 3-4: Analytic Chemistry.
Physics 1-2: General Physics.
Geology 1-2: General Geology.

Junior Year

Group A

Greek 5-6: Plato, Theocritus.
Greek 9-10: Prose Writers.
Latin 5-6: Drama, Satire.
German 5-6: German Drama.
German 7-8: The Age of Goethe.
French 5-6: French Drama.
French 7-8: Prose Fiction.
Spanish 1-2: Elementary Spanish.
Italian 1-2: Elementary Italian.

Group B

English Composition 5-6: Advanced English Composition.
Public Speaking 9-10: Declamation.
Public Speaking 11-12: Dramatic Interpretation.
Public Speaking 13-14: Discussion.
Public Speaking 15-16: Debate.
Public Speaking 17-18: Extemporaneous Speaking.
English Literature 3-4: Seventeenth and Eighteenth Centuries.
English Literature 5-6: The Romantic Period and Victorian Era.
English Literature 9-10: Anglo-Saxon; Middle English.
Philosophy 3-4: Plato to Spencer.
Philosophy 7-8: Pedagogy.
History 5-6: Europe Since 1600.
History 9-10: Canada; Latin America.
Economics 1-2: Economic Institutions.
Economics 3-4: Economic Progress.
Political Science 3-4: Comparative Government.
Art 3-4: Appreciation of Art.
Art 5-6: Choral Music.
Music Appreciation 1-2: Introduction to Music.
Music Appreciation 5-6: Harmony.

Group C

Mathematics 5-6: Calculus, Analytic Geometry.
Mathematics 7-8: Differential Equations, Projective Geometry.
Biology 5-6: Heredity, Histology.
Biology 7-8: Physiology, Bacteriology.
Chemistry 3-4: Analytic Chemistry.
Chemistry 7-8: Physical Chemistry.
Physics 3-4: Mechanics, Heat, Sound, and Light.
Geology 3-4: Mineralogy.
Geology 7-8: Physiography and Economic Geography.

Senior Year

Group A

Greek 9-10: Prose Writers.
Greek 11-12: Advanced Greek.
Latin 7-8: History of Latin Literature.
German 7-8: The Age of Goethe.
French 7-8: Prose Fiction.
French 11-12: Romance Philology, Medieval Literature.
Spanish 3-4: Advanced Grammar and Modern Prose.
Italian 1-2: Elementary Italian.
Hebrew 1-2: Grammar, Historical Prose.

Group B

English Composition 7-8: Advanced English Composition.
Public Speaking 19-20: Orations.
Public Speaking 21-22: Debate.
Public Speaking 23-24: Extemporaneous Speaking.
English Literature 9-10: Anglo-Saxon, Middle English.
English Literature 11-12: Shakespeare and Elizabethan Drama.
Philosophy 5-6: Current Problems, Philosophical Classics.
Philosophy 7-8: Pedagogy.
Economics 5-6: Economic Problems.
History 5-6: Europe Since 1600.
History 9-10: Canada; Latin America.
Political Science 5-6: International Relations.
Political Science 7-8: Political Theory; Diplomatic Problems.
Art 1-2: Ancient Art.
Art 3-4: Appreciation of Art.
Art 5-6: Choral Music.
Music Appreciation 3-4: Polyphonic Music.
Music Appreciation 7-8: Counterpoint and Fugue.

Group C

Mathematics 7-8: Differential Equations, Projective Geometry.
Mathematics 9-10: Higher Plane Curves.
Biology 7-8: Physiology, Bacteriology.
Biology 9-10: Invertebrate Zoology, Advanced Zoology.
Chemistry 7-8: Physical Chemistry.
Chemistry 9-10: Advanced Organic Chemistry.
Physics 7-8: Experimental Physics.
Geology 5-6: Structural Geology; Economic Geology, or Paleontology.
Geology 9-10: Petrography and Petrology.

DEPARTMENTS OF INSTRUCTION

All courses are continuous through the year and are assigned three hours a week, except as otherwise stated. An odd number refers to the first semester portion of a course; an even number, to the second semester portion.

Group A

GREEK

PROFESSOR FITCH, PROFESSOR DURHAM, AND ASSISTANT PROFESSOR COMFORT

1-2. ELEMENTARY GREEK. Allen's *First Year of Greek.* Exercises in writing Greek continue throughout the year. *Open to freshmen who enter without Greek.*

PROFESSOR DURHAM AND ASSISTANT PROFESSOR COMFORT.

3-4. HOMER. First semester: selections from the *Iliad;* Homeric forms, constructions, and prosody. Second semester: selections from the *Odyssey,* with particular attention to the structure of the poem, to Homeric antiquities, and to the historical aspects of the language. *Prerequisite, 1-2, or two units of entrance Greek.* PROFESSOR FITCH.

5-6. PLATO. THEOCRITUS. First semester: the *Apology, Crito,* and portions of the *Phaedo.* A study of the character of Socrates as portrayed by Plato and of the more general aspects of his significance as a thinker. Second semester: lyric poetry; the *Idylls* of Theocritus, illustrated by parallel passages from the other Alexandrian poets. *Prerequisite, 3-4, or three units of entrance Greek.*

ASSISTANT PROFESSOR COMFORT AND PROFESSOR DURHAM.

7-8. GREEK DRAMA. Careful interpretation of a tragedy of Aeschylus, Sophocles or Euripides, followed by rapid reading of other tragedies. Aristophanes is studied in similar manner. The year's work includes a survey of Greek poetry from Homer to the drama. *Prerequisite, 5-6. Alternates with 9-10.* (Not offered in 1929-30.)

9-10. PROSE WRITERS. Thucydides, Books 2 and 3. The sources of Greek history. Demosthenes' *De corona.* Plutarch's *Life of Demosthenes.* The *New Testament* in Greek; selections from *The Acts. Prerequisite, 5-6. Alternates with 7-8.* PROFESSOR DURHAM.

11-12. ADVANCED GREEK. Choral lyric poetry, Greek religion, the mythological tradition; or, at the option of the instructor, Plato's *Phaedo* and *Republic. Prerequisite, 7-8 and 9-10.* PROFESSOR FITCH.

GREEK PROSE COMPOSITION. Upon application to Professor Durham, an optional course in Greek prose composition, without college credit, is given to students desiring practice in writing Greek. *One hour a week for the year.*

In connection with Greek 3-4, illustrated lectures are given on the Cretan-Mycenean civilization. For other work on Greek art, see Art 1-2.

LATIN

PROFESSOR CHASE, PROFESSOR DURHAM, AND ASSISTANT PROFESSOR COMFORT

1-2. CICERO AND HORACE. The *De Amicitia* and *De Senectute* of Cicero, with a review of Latin grammar and prose composition. A purely literary study of the *Odes* and *Epodes* of Horace. *Open to freshmen who enter with more than two units of Latin.*

PROFESSORS CHASE AND DURHAM, AND ASSISTANT PROFESSOR COMFORT.

3-4. TACITUS, PLINY, CATULLUS, AND CICERO. First semester: the *Agricola* of Tacitus and selected letters of Pliny, with a study of the literature and society of the Silver Age. Second semester: the poetry of Catullus and selected letters of Cicero, with a study of the political and social history of the period. *Prerequisite, 1-2.*

PROFESSOR CHASE AND ASSISTANT PROFESSOR COMFORT.

5-6. ROMAN DRAMA AND SATIRE. First semester: one tragedy of Seneca; Plautus and Terence. Emphasis is placed on Roman comedy; several plays are read. Second semester: after a brief introduction to early satire, attention is devoted mainly to Horace and Juvenal. *Prerequisite, 3-4.* PROFESSORS CHASE AND DURHAM.

7-8. HISTORY OF LATIN LITERATURE. This course consists primarily of extended readings from Latin authors; with lectures, and the reading of modern authorities. In the second semester, certain problems connected with the language as well as the literature are considered. *Prerequisite, 5-6.* PROFESSOR CHASE.

LATIN PROSE COMPOSITION. Upon application to Professor Durham, an optional course in prose composition, without college credit, is given to students desiring practice in writing Latin. *One hour a week for the year.*

GERMAN

PROFESSOR HAUCH AND MR. HAIST

Courses 1 to 4 are planned to give not only a sound preparation for speaking German, but particularly a fluent reading knowledge, which

is useful in junior and senior courses and required in the best graduate and professional schools. To insure this proficiency, a student entering without German should begin it in freshman year, as there is no assurance of a convenient opportunity to elect it later. Courses 5 to 10 aim to give an intimate acquaintance with the language, literature, and civilization of Germany.

1-2. ELEMENTARY GERMAN. Thorough grounding in pronunciation, grammatical forms, and syntax; constant oral and written drill as a necessary basis for the attainment of a fluent reading knowledge of the language. PROFESSOR HAUCH AND MR. HAIST.

3-4. INTERMEDIATE GERMAN. Review of grammar and syntax; oral and written drill on vocabulary and idioms; reading of modern short stories, novels, plays, and historical prose. (B) Second semester, Scientific German. For a limited number of approved men an alternative course in scientific German is offered. *Prerequisite, 1-2, or 2 or 3 units of entrance German. Required of sophomores who have taken 1-2 as freshmen.* PROFESSOR HAUCH AND MR. HAIST.

5-6. GERMAN DRAMA. Lessing, Goethe, Schiller, drama of the nineteenth century. *Prerequisite, 3-4.* PROFESSOR HAUCH.

7-8. The AGE OF GOETHE. Historical survey of the major political, intellectual, and social forces of eighteenth century Germany; lectures, discussions, and essays; required readings from the literature of the period reflecting these forces. The life and works of Goethe. *Faust I and II;* critical study and interpretation of the text. *Open to seniors and juniors who have completed 3-4. Alternates with 9-10.*

PROFESSOR HAUCH.

9-10. GERMAN CIVILIZATION. Survey of the history of the German language, the German people, and German literature in connection with its political, social, and philosophical background; required readings from the sources; lectures, discussions, and essays. *Open to seniors and juniors who have completed 3-4. Alternates with 7-8.* (Not offered in 1929-30.) PROFESSOR HAUCH.

ROMANCE LANGUAGES

French

PROFESSOR SHEPARD, ASSOCIATE PROFESSOR SUPER, ASSOCIATE PROFESSOR WISEWELL, AND ASSISTANT PROFESSOR GORDON

Courses 1 to 4 are given mainly by the oral method, and are intended to provide a preparation for spoken French, as well as a reading

knowledge of the language. Students, especially freshmen, should bear in mind that a knowledge of French is now demanded for work in professional and graduate schools and that there is no certainty of a convenient opportunity to acquire it later. Ordinarily, at least two years of French should be taken in college, nor will any student be allowed to elect course 1-2 only, without permission from the department head. Courses 5-12 are designed to introduce the student to a more exact and thorough knowledge of the French language, literature, and thought.

1-2. ELEMENTARY FRENCH. Grammar, including careful drill in pronunciation, easy reading, composition, conversation, dictation. The oral method is used extensively and as early as possible.

ASSISTANT PROFESSOR GORDON.

3-4. INTERMEDIATE FRENCH. MODERN COMEDY. First semester: reading of modern prose fiction, short stories, etc. Advanced composition. Continued practice in dictation and conversation, based on the texts read. Second semester: rapid reading of selected plays; writing of abstracts, and conversation based on texts read. Special attention to pronunciation and to reading without translating. *Prerequisite, 1-2, or 2 or 3 units of entrance French. Required of sophomores who have taken 1-2 as freshmen.* ASSOCIATE PROFESSORS SUPER AND WISEWELL, AND ASSISTANT PROFESSOR GORDON.

5-6. THE FRENCH DRAMA. A year's study of the development and history of the theatre in France, from Corneille to the present day. The first semester is devoted to tragedy, the second to comedy. Reading in class of selected plays from all the important dramatists, many others being assigned for outside reading and report in French. Lectures in French on the history of the drama. *Prerequisite, 3-4.*

PROFESSOR SHEPARD AND ASSOCIATE PROFESSOR WISEWELL.

7-8. FRENCH PROSE FICTION. A year's study of the development of the novel in France, from d'Urfé to the present day. Selected novels are assigned to all members of the course for report and criticism, these papers being read and discussed in the class-room. This course is conducted wholly in French. *Prerequisite, 5-6. Alternates with 9-10.*

PROFESSOR SHEPARD.

9-10. FRENCH POETRY. A year's study of the history of French lyric and narrative verse, from Villon to the present. Extensive readings from the chief poets, with critical studies and reports. Principles of French prosody. This course is conducted wholly in French. *Prerequisite, 5-6. Alternates with 7-8.* (Not offered in 1929-30.) PROFESSOR SHEPARD.

11-12. ROMANCE PHILOLOGY AND MEDIEVAL LITERATURE. Introduction to the comparative and historical grammar of the Romance languages,

with special attention to Old French and Provençal. Reading of selected texts, with study of the lyric and narrative poetry of the Middle Ages. In the case of exceptionally well prepared students, who are planning to take post-graduate work, a further course in paleography and textual criticism will be given. *Prerequisites, French 5-6, Latin 1-2.*

PROFESSOR SHEPARD.

Spanish

ASSOCIATE PROFESSOR SUPER

1-2. ELEMENTARY SPANISH. Pronunciation, inflection, the laws of syntax and their application. Translation of simple prose; writing from dictation; oral and written exercises in composition. *Open to juniors.*

3-4. ADVANCED GRAMMAR AND MODERN PROSE. Continued practice in composition, dictation, and oral drill. Translation and sight reading, with constant reference to morphology and idiom in connection with the text. Representative works of such authors as Cervantes, Alarcón, Galdós, Valera, Valdés. *Prerequisite, 1-2, or 2 or 3 units of entrance Spanish.*

Italian

ASSISTANT PROFESSOR GORDON

1-2. MODERN ITALIAN. First semester: grammar, composition, reading. Some attention is given to comparative philology. Second semester: the reading of a play by Brocco, excerpts from Pellico's *Le mie prigioni,* and Pellico's *Francesca da Rimini* as an introduction to the language of Italian poetry and to Italian prosody, as a preparation to the reading of the older Italian poets. *Open to juniors and seniors.*

HEBREW

MR. IBBOTSON

1-2. THE ELEMENTS OF HEBREW. Harper's *Hebrew Method and Manual,* and *Elements of Hebrew.* Chapters from *Genesis, Ruth, Samuel,* and *Kings.* Kittel's *Biblia Hebraica. Open to seniors.*

Group B

ENGLISH COMPOSITION AND PUBLIC SPEAKING

PROFESSOR LEWIS, PROFESSOR FANCHER, PROFESSOR MARSH,
ASSISTANT PROFESSOR SMITH, MR. MINEKA, AND MR. TOLLES

The instruction in this department is based on the belief that, since the English of daily life is mainly oral, the greater amount of training

in English should aim to develop undergraduates in speaking rather than in writing.

All courses for freshmen and sophomores are required. Juniors must elect at least two of the five courses offered to their class, and seniors must elect two of the three courses. All are one-hour courses unless otherwise stated.

English Composition

1-2. FRESHMAN ENGLISH COMPOSITION. The study and application of the elementary principles of English composition. The technique of writing. Weekly themes. *One hour a week in the first semester; three hours a week in the second. English Composition 1-2 and Public Speaking 1 constitute a year-course.* PROFESSOR FANCHER AND MR. MINEKA.

3. SOPHOMORE ENGLISH COMPOSITION. Advanced study and practice. Themes. *First semester, two hours a week. English Composition 3 and Public Speaking 8 constitute a year-course.*

ASSISTANT PROFESSOR SMITH.

5-6. JUNIOR ENGLISH COMPOSITION. Advanced study and practice for those looking forward to journalism, authorship, or English teaching. *Open to juniors who have attained a grade of credit in 3. Three hours a week.* PROFESSOR LEWIS.

7-8. SENIOR ENGLISH COMPOSITION. A course for selected seniors, who under supervision criticise freshman themes (English Composition 1-2). Each is responsible for the themes of a group of freshmen. There is a conference upon each piece of writing. The results are subject to revision by the instructor. The meetings of the class are occupied with discussions of special forms of writing, and considerable practice work in each form is done. *Three hours a week. Open to those who have attained a grade of credit in 5-6.* PROFESSOR FANCHER.

Public Speaking

1. ELEMENTS OF PUBLIC SPEAKING. The production and control of the voice, vowel and consonant sounds, the correction of vocal faults. The voice in speech: articulation, pronunciation, force, rate, pitch, timbre, emphasis, inflections, delivery, phrasing. Personality in speaking: physical interpretation, gesture, action. Short speeches (125-200 words) every two weeks. *Two hours, first semester. Public Speaking 1 and English Composition 1-2 constitute a year-course.*

PROFESSOR MARSH AND MR. TOLLES.

3-4. FRESHMAN DECLAMATION. Each freshman appears three times during the year with a prose declamation 350-400 words in length. Three drills are required for each appearance.

PROFESSOR MARSH, MR. MINEKA AND MR. TOLLES.

5-6. SOPHOMORE DECLAMATION. Each sophomore appears once each semester with a prose declamation 350-400 words in length. Two drills are required for each appearance. The second declamation may be original. PROFESSOR MARSH, MR. MINEKA AND MR. TOLLES.

8. SOPHOMORE DEBATE. Classroom study of the theory of argumentation and debate, including the analysis of propositions, methods of proof and rebuttal, briefing, and platform practice. Classroom debates. *Second semester, two hours a week. English Composition 3 and Public Speaking 8 constitute a year-course.* PROFESSOR MARSH AND MR. TOLLES.

9-10. JUNIOR DECLAMATION. First semester: an original speech about 400 words in length. Second semester: a poem or a group of poems. One drill is required for each appearance. PROFESSORS LEWIS AND MARSH.

11-12. DRAMATIC INTERPRETATION. The dramatic presentation of masterpieces of the drama for the purpose of developing physical expression on the platform. *Open to juniors approved by the head of the department and the instructor in the course. Fee, $5.00.* PROFESSOR FANCHER.

13-14. JUNIOR DISCUSSION. Original argumentative speeches, affirmative or negative, which lay stress on persuasion, 700-900 words in length. Each man who elects this course speaks once each semester. Drills optional.

PROFESSOR LEWIS.

15-16. JUNIOR DEBATE. Advanced classroom debates. Each man who elects this course debates twice each semester. Conferences required for all debates. PROFESSOR LEWIS.

17-18. JUNIOR EXTEMPORANEOUS SPEAKING. The purpose of the course is to give every man an opportunity to appear frequently before his sectional group, and to offer training in standard forms, such as speaking to entertain, to inform, to convince, and to persuade. Topics are approved and outlines submitted well in advance of the date when speeches are given. A textbook is used. PROFESSOR MARSH.

19-20. SENIOR ORATIONS. Each man appears once each semester with an original oration on an approved subject, 900-1100 words in length. No drills required. PROFESSOR LEWIS.

21-22. SENIOR DEBATE. Advanced classroom debates.

PROFESSOR LEWIS.

23-24. SENIOR EXTEMPORANEOUS SPEAKING. A continuation of 17-18, on the same general plan. PROFESSOR MARSH.

English Literature

Professor Ristine, Professor Rudd, and Assistant Professor Smith

1-2. General Introduction to English Literature. A rapid survey of English literary history from the beginnings, accompanied by classroom study of the greater English poets, especially Spenser, Shakespeare, Milton, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning. Lectures and recitations. *Open to sophomores and juniors.* Professor Rudd and Assistant Professor Smith.

3-4. The Seventeenth and Eighteenth Centuries. First semester: the later Elizabethan drama; the seventeenth century lyric and essay; the poetry and prose of Milton; the work of Dryden and other Restoration writers. Second semester: a study of selected masterpieces from the Augustan writers, with wide outside reading in the literature of the century. Special attention to the development of modern prose style, the rise of the periodical essay and the pamphlet, and the beginnings of the novel. *Prerequisite, 1-2.* Professor Rudd.

5-6. The Romantic Period and Victorian Era. First semester: the poets and prose writers concerned in the revival of imaginative literature between 1798 and 1832, particularly Wordsworth, Coleridge, Scott, Lamb, Hazlitt, and DeQuincey. Second semester: a study of as many of the Victorian writers as time permits—Macaulay, Carlyle, Huxley, Arnold, Tennyson, the Brownings, Newman, Ruskin, Stevenson—with a course of outside readings in the nineteenth century novel. *Prerequisite, 1-2.* Professor Ristine.

7-8. American Literature; Contemporary Literature. First semester: the chief American poets and prose writers of the nineteenth century, emphasizing their relation to contemporary English literature and their expression of our national traits and ideals. Second semester: a study of the writers, chiefly British, who have contributed most to the advance of poetry, drama, and the novel, since about 1890. *Prerequisite, 1-2.* (Not offered in 1929-30.) Professors Ristine and Rudd.

9-10. Anglo-Saxon; Middle English. First semester: an introduction to the language and literature of England before the Norman Conquest. An Anglo-Saxon reader is the basis of study, accompanied by lectures on the history, structure, and vocabulary of the English language. Second semester: Chaucer, his century, and his contemporaries. *The Canterbury Tales* are read, parts of the *Troilus and Criseyde* and the minor poems, and selected texts illustrating the various Middle English dialects and literary types. *Open to juniors and seniors.* Professor Ristine.

11-12. SHAKESPEARE AND THE ELIZABETHAN DRAMA. Shakespeare is the center of study for the year. All the plays are read, with critical study of certain dramas representative of the different stages in the development of his art. Lectures on the history of the drama from the beginnings to 1642; collateral reading in the minor Elizabethan playwrights. Library topical work and practice in handling original sources. Term theses required. *Open to seniors who have completed with credit at least one year course in this department.* PROFESSOR RISTINE.

PHILOSOPHY

PROFESSOR SQUIRES

1-2. PSYCHOLOGY; LOGIC. First semester: a general introduction to the study of philosophy and pedagogy. The elements of descriptive, physiological, and genetic psychology. Text-books, lectures, and reports on assigned readings. Second semester: deductive and inductive logic, with rules of evidence as formulated by such writers as Greenleaf and Stephen. *Sophomore course.*

3-4. PLATO TO SPENCER. The problems of philosophy from Plato to Spencer, with emphasis on metaphysics and aesthetics, and the relation of philosophy to current belief. Lectures, papers, and readings from sources. *Prerequisite, 1-2.*

5-6. CURRENT PROBLEMS IN PHILOSOPHY; PHILOSOPHICAL CLASSICS. Studies in pragmatism, idealism, realism; in social, abnormal, and experimental psychology; and in advanced logical theory. The reading of Kant's *Critique of Pure Reason,* Locke's *Essay Concerning Human Understanding,* Schopenhauer's *The World as Will and Idea;* or American philosophical writers. *Prerequisite, 3-4.*

7-8. PEDAGOGY. The history, science, principles, and theory of education. The practical problems of education, including methods, teaching, and the reading of educational classics. *Prerequisite, 1-2. Alternates with 9-10.*

9-10. METHODS OF EDUCATION. *Prerequisite, 1-2. Alternates with 7-8.* (Not offered in 1929-30.)

TEACHER'S CERTIFICATE. Under the rules of the New York State Education Department, a "Professional Certificate," valid for three years, is granted to a graduate of an approved college. At the end of three years' successful experience in teaching, a "College Graduate Certificate" will be issued, valid for life. This exempts from further examination, except in certain cities. A student who desires this certificate must complete the course in pedagogy approved by the Education Department.

Ethics and Christian Evidences

No Courses Offered in 1929-30.

History

Professor Bonham, Associate Professor Graves, and Associate Professor Ridgeway

In every course in this department a text-book forms the basis of the student's work. This is supplemented by occasional lectures, note-books, problems, reports, quizzes, and map-drawing. A considerable amount of library work is required of every student, as a means of introducing him to the literature of the subject, source and secondary. History 1-2 is a prerequisite for all other history courses. Undergraduates are advised to take it in freshman year, both as a preparation for other history courses and as a background for the social sciences and literature.

1-2. Medieval and Modern Europe. A general survey in which the leading features of medieval civilization are studied, with the evolution therefrom of modern nations and their institutions. *Open to freshmen and sophomores.* Associate Professors Graves and Ridgeway.

3-4. England and the British Empire. A rather detailed study of the rise and development of English institutions, and their spread to other parts of the world. Such items as language, law, parliamentary government, colonization, etc., are stressed. *Open to sophomores and juniors. Prerequisite, 1-2.* Associate Professor Graves.

5-6. Europe Since 1600. First semester; social, cultural and political history from 1600 to 1815. Second semester; social, cultural and political history from 1815 to the present. *Open to juniors and seniors. Prerequisite, 1-2. Alternates with 11-12.* Associate Professor Graves.

7-8. The Colonization of North America; Development of the United States. The European background; the establishment of European institutions in America; the struggles for independence; the establishment of the Federal government; the evolution of the American nation. *Open to sophomores and juniors. Prerequisite, 1-2.* Associate Professor Ridgeway.

9-10. Canada; Latin America. First semester: the origin, rise, and development of the Dominion of Canada, her relations with the United States, and her place in the British Empire. Second semester: the transfer of Spanish and Portuguese institutions to America; the wars of independence; the development of the Latin American republics; their relations to the United States and to world affairs. *Open to juniors and seniors. Prerequisite, 1-2.* Associate Professor Ridgeway.

11-12. EUROPEAN CIVILIZATION FROM THE FIFTH TO THE SEVENTEENTH CENTURY. First semester: the society and culture of the Middle Ages. Second semester: the society and culture of the period usually designated Renaissance and Reformation. *Open to juniors and seniors. Prerequisite, 1-2. Alternates with 5-6.* (Not offered in 1929-30.)

ASSOCIATE PROFESSOR GRAVES.

POLITICAL SCIENCE

PROFESSOR WOOD AND ASSOCIATE PROFESSOR LAVES

1-2. AMERICAN GOVERNMENT. The organization and actual working of government, national, state, and local, in the United States. Cases in constitutional interpretation. *Open to sophomores.*

ASSOCIATE PROFESSOR LAVES.

3-4. COMPARATIVE GOVERNMENT. An introduction to the problems of government: the nature of the state, sovereignty, separation of powers, representation, suffrage, individual rights, etc. The constitutions of England, France, Germany, and Switzerland. *Prequisite, 1-2.*

PROFESSOR WOOD.

5-6. INTERNATIONAL RELATIONS. The organization and conduct of relations among states. An introduction to international law, organization, and politics. *Open to seniors.* PROFESSOR WOOD.

7-8. POLITICAL THEORY; DIPLOMATIC PROBLEMS. An advanced course, dealing in the first semester with problems of political theory; in the second semester with problems of international relations. *Open to seniors electing 5-6 who have completed 3-4 and are approved by the Department.*

ASSOCIATE PROFESSOR LAVES.

ECONOMICS

PROFESSOR PATTON

1-2. ECONOMIC INSTITUTIONS. First semester: a survey of some important economic problems now confronting the American people. Second semester: a detailed consideration of money, bank credit, and prices, and their relation to economic welfare. *Open to juniors.*

3-4. ECONOMIC PROGRESS. A study of the rise of modern economic life from its primitive, medieval, and early modern origins. *Open to juniors.*

5-6. ECONOMIC PROBLEMS. A detailed study of the corporation, trust, and railroad problems as they affect the American people today. *Open to seniors who have elected 1-2.*

Art

PROFESSOR FITCH, PROFESSOR CHASE, PROFESSOR FANCHER, AND MR. ROOT

1-2. ANCIENT ART. First semester: Greek sculpture, architecture, and vase-painting. Second semester: Roman sculpture, painting, architecture, and construction; early Christian and Byzantine art; transition to medieval art. A text-book, supplemented by illustrative material, including charts, photographs, and lantern slides; collateral reading. *Open to seniors.* PROFESSORS FITCH AND CHASE.

3-4. APPRECIATION OF ART. A consideration of the aesthetic and expressive aspects of graphic forms, followed by a brief critical and historical review of the work of the greatest masters of European painting from Giotto to Picasso. Practically all discussion is based on pictures exhibited in the class-room. *Open to seniors and juniors in two divisions of ten men each. Three hours a week for twelve weeks. Credit, two semester hours.* MR. ROOT.

5-6. CHORAL MUSIC. The singing, largely *a capella,* of motets, chorales, anthems, and choruses selected from the works of the great composers of all nations. Those taking this course constitute the Chapel Choir. Open to all men approved by the instructor. The basis of approval is ability to sing. *Three hours a week throughout the year. Credit three semester-hours.* PROFESSOR FANCHER.

Music Appreciation

PROFESSOR SHUTE

1-2. INTRODUCTION TO MUSIC. The homophonic forms of music and their development from primitive types and the folk song to the modern lyric forms and the simple sonatas. The history of music, ear-training, and a detailed study of the elements of music are continued throughout the year. *Open to approved juniors and seniors.*

3-4. POLYPHONIC MUSIC. A study of polyphonic music from its beginnings, through the work of the Netherland, English, and Roman schools to Bach and Händel; its union with the homophonic forms under Mozart, Haydn, Beethoven, Brahms, and others; and the development of modern music. *Prerequisite, 1-2.*

5-6. HARMONY. A practical course in harmony, designed to give the student a thorough command of chord relationships, with particular emphasis on harmonic ear-training. Applicants for this course must understand thoroughly notation and the elements of music, and be able to

play some instrument or have had at least a year's work in the college choir. *Open to juniors and seniors who elect 1-2.*

7-8. COUNTERPOINT AND FUGUE. Thorough drill in counterpoint writing for advanced students in musical composition. Course 3-4 must be taken in conjunction with this course. *Prerequisite, 5-6.*

The work of the Department of Music Appreciation is supplemented by various concerts given by well-known artists at the College, by the study of the best choral music in the College Choir, by informal fortnightly musicales given under the auspices of the Musical Art Society, and by constant illustration of the subjects under discussion in the classroom.

Group C

MATHEMATICS

PRESIDENT FERRY, PROFESSOR CARRUTH, PROFESSOR BROWN, AND ASSOCIATE PROFESSOR PATTERSON

1-2. ALGEBRA; TRIGONOMETRY. First semester: introductory review; functions and their graphs, theory of equations, determinants, partial fractions, permutations and combinations, infinite series. Second semester: theory and use of logarithms, definitions and relations of the trigonometric functions of acute angles and of angles in general, the solution of right and oblique triangles. *Required of all freshmen except those who enter with four and one-half units of mathematics.*

PROFESSORS BROWN AND CARRUTH, AND ASSOCIATE PROFESSOR PATTERSON.

3-4. ANALYTIC GEOMETRY; CALCULUS. First semester: an elementary course in plane analytic geometry. Cartesian and polar coordinates, simple curve-tracing, study of the straight line and conic sections. Second semester: differentiation and simple integration, with applications to algebra, geometry, and mechanics. *Prerequisite, 1-2, or four and one-half units of entrance mathematics.*

PROFESSOR BROWN AND ASSOCIATE PROFESSOR PATTERSON.

5-6. CALCULUS; ANALYTIC GEOMETRY. Further study of differential and integral calculus, and analytic geometry, including analytic geometry of three dimensions. Applications. *Prerequisite, 3-4.* PROFESSOR CARRUTH.

7-8. DIFFERENTIAL EQUATIONS; PROJECTIVE GEOMETRY. First semester: the solution of the simpler types of differential equations, with applications to physics. Second semester: elementary synthetic geome-

try, involving ranges of the first and second order, and construction. *Prerequisite, 5-6.* PROFESSOR CARRUTH.

9-10. SURVEY COURSE. A survey of the earlier courses in algebra, analysis, and geometry, introducing material that had previously been omitted, supplying rigorous proofs for many theorems, and studying briefly the logical foundations of the science. A preparatory course for those planning either to teach or to take up graduate study in mathematics. *Open to juniors and seniors who have elected 7-8.* PROFESSOR CARRUTH.

BIOLOGY

PROFESSOR HESS AND ASSOCIATE PROFESSOR BUTCHER

1-2. GENERAL BIOLOGY. An introduction to the principles which govern plant and animal life, with particular attention to the structure and functions of organisms, especially as concerns digestion, respiration, coordination, excretion, and reproduction; such general topics as embryology, evolution, heredity, classification and ecology. Laboratory work based on a study of plants and animals selected to illustrate the functions and principles involved. *Prerequisite to all later courses. Open to all classes. Laboratory fee, $20.*

3-4. ANATOMY; EMBRYOLOGY. First semester: the dissection and study of a series of vertebrates from a comparative viewpoint, tracing the progressive modifications in the organ systems from fishes to mammals, with special emphasis on mammalian anatomy. Second semester: the development of representative forms of the chief groups of vertebrates, with particular emphasis on the embryology of the frog, chick, and mammal, supplemented by demonstrations of other forms, and training in laboratory technique. *Prerequisite, 1-2. Laboratory fee, $20.*

5-6. HEREDITY; HISTOLOGY. First semester: a study of the leading theories of evolution and heredity; the problems of animal and plant breeding. In the laboratory, practical application of the theories of inheritance as illustrated by the fruit fly. Second semester: a practical course in the methods of microscopical technique, and a study of mammalian tissues. *Prerequisite, 1-2. Alternates with 9-10. Laboratory fee, $20.* (Not offered in 1929-30.)

7-8. PHYSIOLOGY; BACTERIOLOGY. First semester: the functions of the organ systems in the different animal groups, including a study of the more fundamental problems of general physiology—nutrition, circulation, respiration, excretion, and coordination. Second semester: microorganisms that are related to health and general welfare, including the

preparation and handling of cultures and the technique of water and milk examination. *Prerequisite, 3-4, and Chemistry 1-2. Laboratory fee, $20.*

9-10. INVERTEBRATE ZOOLOGY; ADVANCED ZOOLOGY. First semester: the study of invertebrate animals, including both the structure and the physiology of representative forms. Second semester: readings, conferences, and laboratory work on problems in such fields as experimental embryology, entomology, ecology, histology, and physiology. *Undergraduates may substitute Geology 6B for the second semester of this course. Prerequisite, Biology 1-2, and the approval of the instructor. Alternates with Biology 5-6. Laboratory fee, $20.*

CHEMISTRY

PROFESSOR A. P. SAUNDERS AND ASSOCIATE PROFESSOR MCKINNEY

All courses in chemistry require two hours in the lecture-room and four hours in the laboratory each week, but are reckoned as three-hour courses. The laboratory fees are $25 a year.

1-2. ELEMENTARY COLLEGE CHEMISTRY. A thorough discussion of the fundamental laws and theories of chemistry, together with a study of the gases, the metals, and the periodic system of the elements. In the lecture room special emphasis is laid on chemical calculations, and in the laboratory a considerable number of quantitative experiments are made to illustrate the laws of combining proportions, etc. PROFESSOR SAUNDERS.

3-4. ANALYTICAL CHEMISTRY. First semester: qualitative analysis. The theory and practice involved in the systematic separation and identification of the commoner cations and anions and the analysis of unknown substances. Second semester: quantitative analysis. Classroom drill and laboratory practice in the more important typical gravimetric and volumetric methods. *Prerequisite, 1-2. Alternates with 5-6.*

ASSOCIATE PROFESSOR MCKINNEY.

5-6. ORGANIC CHEMISTRY. An introduction to the chemistry of the compounds of carbon. The more important groups of aliphatic and aromatic compounds; lectures and recitations, with closely co-ordinated laboratory work on the preparation of typical compounds; selected special topics, such as the chemistry of nutrition and agricultural chemistry. *Prerequisite, 1-2. Alternates with 3-4.* (Not offered in 1929-30.)

7-8. PHYSICAL CHEMISTRY. A study of the theories and laws of chemical phenomena. Gases, liquids, solids, solutions, colloids, thermo-chemistry, equilibrium, the phase rule, reaction velocities, electrical conductance,

and a brief consideration of radioactivity and atomic structure from the chemical point of view. Laboratory work illustrating the fundamental principles considered in the class-room. Lectures, recitations, and laboratory. *Prerequisite, 3-4, 5-6, Physics 1-2, or its equivalent, and Mathematics 3-4.* ASSOCIATE PROFESSOR MCKINNEY.

9-10. ADVANCED ORGANIC CHEMISTRY. A laboratory course continuing the work of 5-6. Emphasis is laid upon the study of the various type reactions of organic chemistry. Detailed attention is paid to the experimental conditions, yields, purity of products, and other factors necessary to the more advanced type of organic preparations. Conferences and laboratory work. *Open to seniors who desire a fifth course in chemistry. Prerequisite, 5-6.* ASSOCIATE PROFESSOR MCKINNEY.

PHYSICS

PROFESSOR S. J. SAUNDERS AND MR. CURTIS

1-2. GENERAL PHYSICS. The general principles of mechanics, sound, heat, light, electricity, and magnetism. Lectures, recitations, and laboratory work. *Open to sophomores. Laboratory fee, $5.*

3-4. MECHANICS, HEAT, SOUND, AND LIGHT. Lectures and recitations. *Open to juniors and seniors. Prerequisite, 1-2, or the equivalent in entrance physics. Alternates with 5-6.*

5-6. ELECTRICITY AND MAGNETISM. *Lectures and recitations. Open to juniors and seniors. Prerequisite, 1-2, or the equivalent in entrance physics. Alternates with 3-4.* (Not offered in 1929-30.)

7-8. EXPERIMENTAL PHYSICS. Lectures and laboratory. Quantitative work, with written reports discussing the theory of the experiments and the results obtained. *Open to seniors. Prerequisite, 1-2, or 3-4, or 5-6. Laboratory fee, $10.*

NOTE. Physics 1-2 or 7-8 with either one of the other courses will meet the requirements in physics for admission to the better medical schools.

GEOLOGY

PROFESSOR DALE AND MR. MEREDITH

1-2. GENERAL GEOLOGY. An introductory course, including studies of the various geological agencies and processes responsible for the past and present surface features of the earth, the general composition and structure of the earth's crust, and the geological history of the earth. Lectures, recitations, laboratory, and field trips. *Open to sophomores. Laboratory fee, $10.*

3-4. MINERALOGY. A descriptive and determinative study of the important rock-forming minerals and others of particular scientific and economic importance, including an introductory course on crystal forms. Lectures and laboratory. For those majoring in geology, this course should parallel or follow 1-2 and precede 5-6. *Prerequisite, Chemistry 1-2 or its equivalent. Laboratory fee, $10.*

5. STRUCTURAL GEOLOGY. First semester: the composition and origin of the earth as pertains to its minor and major structural elements. Interpretation and construction of topographic and geologic maps as worked out in the laboratory and the field. *Prerequisite, Geology 1-2. Geology 5, with either 6A or 6B, constitutes a year-course.*

6A. ECONOMIC GEOLOGY. Second semester: the geologic occurrence, origin and uses of the important ores; the economic geology of ground water and petroleum. Lectures, discussions, laboratory, and field problems. *Prerequisite, Geology 1-2, 3-4, and 5.*

6B. INVERTEBRATE PALEONTOLOGY. Second semester: a study of representative and index fossils of the invertebrate phyla approached from the zoological and the paleontological viewpoints. *Prerequisite, Biology 9. Laboratory fee for 5-6A or 5-6B, $10. Alternates with 7-8.*

7-8. PHYSIOGRAPHY AND ECONOMIC GEOGRAPHY. The description, origin, and interpretation of the earth's forms, and their influence upon man, as considered in economic, military, political, and regional geography. The elements of oceanography, meteorology, and climatology. Lectures, recitations, laboratory, and field work. *Prerequisite, 1-2. Alternates with 5-6. Laboratory fee, $10.* (Not offered in 1929-30.)

9-10. PETROGRAPHY AND PETROLOGY. A microscopic study of rock-forming minerals and rocks, followed by the history, origin, and classification of rocks. Laboratory, lectures, and field work. *Prerequisite, 1-2 and 3-4. Laboratory fee, $10.*

PHYSICAL EDUCATION

DIRECTORS PRETTYMAN, GÉLAS AND WINTERS, AND ASSOCIATE DIRECTOR WEBER

ATHLETICS, PHYSICAL EXERCISE, AND HYGIENE. Indoor and outdoor athletics, including football, soccer, tennis, track, golf, ice-hockey, basketball, fencing, skating, skiing, baseball, calisthenics, and gymnastic work, according to the season and the weather, with special tests relative to health and exercise. Participation in the practice of a college athletic

team is accepted as an equivalent. All undergraduates are required during their college course to devote at least 12 hours to golf, 12 hours to tennis, 12 hours to skating, and 6 hours to skiing. A physician's certificate of physical fitness is required of all undergraduates. *Required of all undergraduates. Three periods a week.*

HONORS AND DEGREES

Honors and Commencement Appointments

Department honors may be awarded at graduation in the following subjects or groups of subjects: Greek; Latin; German; French; Italian and Spanish; English Composition; Public Speaking; English Literature; Philosophy; Economics; Political Science; History; Mathematics; Biology; Chemistry; Geology; Physics. An honor requires the attainment of an average standing of not less than 90 in the courses on which the honor is based, and a complete record of examinations in these courses. Undergraduates attaining a standing between 85 and 90 may also receive the honor, but only on a special recommendation by the head of the department, in which case extra work may be required. Usually all the work offered by a department must be taken; but no undergraduate is required to repeat in college a course accepted for admission to the freshman class, or to take more than three courses in Philosophy or four courses in Greek, German, French, History, or English Literature (including English Literature 9-10). In English Composition a candidate must take all the courses offered, and must submit an acceptable prize essay in each of the first three years and an acceptable Pruyn, Head, or Kirkland Oration in senior year. In Public Speaking a candidate must be an appointee to the Clark Prize Oration contest or to the McKinney Prize Debate.

The names of seniors who have high honor, honor, or credit grades for the senior year and for the entire course are announced at the final chapel of the year. The Valedictorian and the Salutatorian are the two members of the graduating class who have attained, respectively, the highest and the next to the highest standing for the entire course.

Commencement speakers are: the Pruyn Medal, Head Prize, and Kirkland Prize Orators; the Salutatorian, and the Valedictorian. If any one of these is not appointed, or if two appointments fall to one person, the Faculty may appoint others, not exceeding seven in all, from men of high honor grade and excellent rhetorical record.

Degrees

The only bachelor's degrees conferred by the College are Bachelor of Arts and Bachelor of Science. Information in regard to the requirements for these degrees is to be found on pages 28-29.

The master's degree may be conferred upon graduates of Hamilton, or of another college with equivalent courses, for resident study for one year. A candidate for this degree must present a program of study which forms a consistent plan of work, pursued with some definite aim, whether it lies within a single department or, preferably, in more than one department. This program must include work in at least two related subjects, in one of which the candidate must present an acceptable thesis. His program of study and the subject of his thesis must be reported to the Faculty early in the first semester. He must successfully meet the semester examinations in his subjects, and at the end of the year an oral examination before a committee of two members of the Faculty. Bachelors not in residence but otherwise fulfilling these conditions may receive the master's degree in two years upon payment of regular tuition.

Honorary degrees are conferred only upon those who, having accepted advance notification, are present in person to receive them.

Phi Beta Kappa

The Epsilon Chapter of the Phi Beta Kappa Society in the State of New York was chartered and established at Hamilton

College in 1870. Two groups of undergraduates are elected to this Society annually; one at the end of the junior year and the other after the conclusion of the last examinations of the course. The choices are regularly made on the basis of scholastic standing and the two groups together may not include more than one-fourth of the graduating class. It is expressly provided, further, that none may be elected whose scholastic average is below 85 and that not more than fifteen men in total may be chosen from any one class.

The Root Fellowship

THE ROOT FELLOWSHIP IN SCIENCE, established in 1894 by the Honorable Elihu Root, of the Class of 1864, is ordinarily granted for a single year of graduate study at some American or European university approved for that purpose in each individual instance by the Faculty. The stipend is $1,000, payable in October, February and May in equal installments. The payment of each installment of the stipend is conditioned on the submission to the President by the fellow of satisfactory evidence of the successful progress of his studies. In the case of the third payment, this evidence shall consist of a comprehensive written report which shall be filed in the college records. At the request of the Faculty, the fellow shall, on some suitable date between the spring recess and commencement, give a lecture or address to the College on a subject appropriate to his work of the year.

Any member of the senior class who has proved himself of a high order of scholarly attainment and has shown marked ability and special aptitude for research in one or more of the departments of science may be nominated to the Faculty for this award by the professors of those departments. From the men thus nominated, the Faculty will select by ballot by a two-thirds vote one who shall be recommended to the Trustees for appointment.

If the Faculty finds no suitable candidate in the graduating class of any year, it may recommend to the Trustees that the fellow

appointed from the preceding class be continued in the fellowship for a second year, but no longer.

Scholarships

General Regulations

The income of the various permanent endowments enumerated below is used to provide scholarships for deserving undergraduates of slender means. Such scholarships are ordinarily granted for the first, second and fourth years only. The stipend paid for the second and fourth years is $200 if the recipient maintained an average of high honor (90 to 100) through the previous year, and $170 if the average mark was of honor grade (85 to 90) for that year; in all other cases the amount which the scholarship regularly bears is $140. The stipends are increased by $50 each for the classes of 1931 and later. A few of the scholarships are awarded under special rules.

No undergraduate may at one time hold more than one prize scholarship, nor while holding a prize scholarship may be awarded a general college scholarship.

Applications, which should be made to the President in writing, are considered in their order. The President must be personally assured of the fidelity and actual need of applicants. Ordinarily the benefits of these foundations are assigned to needy and meritorious students who have been orderly and diligent and who are without entrance conditions, postponed examinations of long arrears, or delinquencies in standing or attendance. If an incumbent is extravagant, or is guilty of any gross impropriety, or neglects to stand above mediocrity, the aid will be summarily withdrawn. This rule applies to all scholarships, including the prize scholarships.

Applications for scholarships for any college year should be presented during the month of March preceding.

The State of New York provides in each assembly district five competitive college scholarships, based upon standing in Regents'

examinations, and yielding $100 annually for four years. Successful competitors may enter any college within the State. A state scholarship is not duplicated by a general college scholarship, but may be supplemented by it.

Approved candidates for the Christian ministry who need aid may receive from $80 to $150 a year by placing themselves under the care of the Presbyterian Board of Education, the Congregational Educational Society, the Board of the Reformed Church, or other church authorities.

Scholarship Foundations

The amount of each foundation is $2,000, unless otherwise stated.

25 Founded by Andrew Carnegie.
1 Leavenworth (for a student of that name), $12,000.
1 S. B. Steere (for a relative or for five others), $10,000.
6 Laura Carter.
5 Julia J. McCartee, Darling Memorial, $9,525.
2 William E. Dodge, $5,000.
2 S. H. Jardin.
2 Marquand Estate.
2 A. Delos Gridley, $5,000.
1 Alexander Folsom.
1 Marcus Judson, $1,000.
1 Nichols, $748.50.
1 Roswell P. Flower.
1 Geneva Presbytery, $1,700.
1 C. C. Sheppard, $1,500.
1 William Burton, $1,500.
1 John J. Knox, $1,500.
5 Soper Scholarships (for Rome scholars).
1 Albert Phillips.
4 Melville E. Dayton Memorial (for Utica Free Academy scholars).
2 Theodore S. Hubbard, $3,500.
2 Horace B. Silliman, $3,000.
1 Mrs. S. E. Baird, $2,500.
1 Charles D. Gilfillan, $2,500.
1 John R. Terrett Memorial, by A. P. Sloane.
1 D. Willis James.
1 Sylvester Willard Memorial.
1 Henry W. King.
1 Mrs. James L. Bradley.
1 J. B. Wells.
1 P. Charles Cole, $1,000.
1 Mrs. Charlotte B. Sackett Memorial, $10,000.
1 Charles Holland Duell, $10,000.
1 O. T. Bundy.
4 Asa G. Pettibone.
3 W. D. Walcott.
1 Henry Scott McCall, $1,000.
2 J. Platt Underwood, $5,000.
1 James P. Soper.
1 Class of 1867.
1 Harriet Emily Clark Byne, by George A. Clark, $5,000.
1 Class of 1899, $2,516.59.
1 Henry Wales, $1,467.68.

1 Edwin Baylies, $5,000.
1 Anonymous, $2,500.
1 H. Roswell Bates, by Maj. William A. Aiken.
1 Howard P. Ferguson, by Mary J. Mathewson.

Three other scholarship foundations are semi-proprietary or reserved for increment.

Senior Prize Scholarships

Four prize scholarships are awarded by vote of the Faculty at the close of junior year, as follows:

The Chauncey S. Truax Prize Scholarship in Greek, yielding $600 to that senior who, having entered Hamilton as a freshman with unconditioned preparation in three years of Greek, shall have stood highest in the Greek work of the first three years with an average grade of not less than 85.

The Edward Huntington Memorial Mathematical Scholarship, founded by Alexander C. Soper, LL.D., '67, yielding $250.

The Arthur W. Soper Latin Scholarship, yielding $250.

The German Scholarship, founded by the late Hon. Charles Holland Duell, LL.D., '71, yielding $250.

The awards are made in the order, first, of the values, and second, of the ages of the foundations.

Each scholarship is awarded to the senior of highest standing in the department in which it is offered, unless another of these scholarships is already assigned to him. In this case the award is made to the next highest in the department who has not received an award. To be eligible, an undergraduate must have taken all the courses of the department concerned up to the end of junior year, including prize examinations, and upon receiving an award must elect the courses of the department through senior year. To receive the stipend, an appointee must complete senior year in this College and pay in full the college bills of that year.

Junior Prize Scholarships

The Oren Root Prize Scholarships. Two scholarships, of $100 each, are awarded to the two juniors who have the best record in mathematics during the freshman and sophomore years, and continue that subject through the junior year.

The Renwick Prize Scholarship in Biology, founded by Edward A. Renwick, Esq., of Chicago, Ill., yields $75 to a member of the junior class appointed by the Faculty, for the study of biology during the summer vacation.

Freshman Prize Scholarships

The Fayerweather Scholarships. Five scholarships, yielding $100 each for the freshman year, are awarded to five men of the freshman class, provided there are five, who gain the highest marks in the entrance examinations at the College in September on fifteen units of secondary school studies, as specified under Requirements for Admission. A competitor who fails in any unit may not receive an award. Freshmen admitted in June may enter this September examination. Appointees to these scholarships are eligible to the Maynard and Brockway Entrance Prize competition (see "Prizes" 24, 25).

Prizes

It is provided in all cases that no award shall be made unless it appears to the judges that the work offered is worthy of such recognition.

To compete for a prize, an undergraduate must be in regular standing. Prizes are conferred only upon those present to receive them on Commencement day, unless excuses for absence have been granted by vote of the Faculty. Applications for excuse must be presented through the Dean in writing before the final Faculty meeting on the Friday preceding Commencement day.

1. Curran Prize in Greek and Latin. A foundation of

$700 by relatives of the late Col. Henry H. Curran, of the Class of 1862, provides a prize in Greek and Latin, offered to juniors, the prize consisting of money and a silver medal, commemorative of Col. Curran. The award is determined by written examinations in Greek and Latin. The competition in a given year is based upon course 5-6, 7-8, or 9-10, in Greek, and upon course 5-6 in Latin.

2, 3. HAWLEY PRIZES IN GREEK AND LATIN. A foundation of $500 by the late Martin Hawley, of the Class of 1851, provides two book prizes, equal in value, one for excellence in Greek, and one for excellence in Latin. In both cases the award is made to the undergraduate who has the best record in course 3-4.

4. WINCHELL PRIZE IN GREEK. A foundation of $1,000 by the late Walter B. Winchell, M.D., of the Class of 1880, provides a prize of $50 to be awarded annually, with the approval of the Faculty, to the undergraduate who, beginning Greek in College, shall have made the best record in three year-courses in that language.

5. BRANDT PRIZE IN GERMAN. By Frederic P. Warfield, of the Class of 1896, in honor of the late Professor H. C. G. Brandt, a prize of $50 is offered to seniors for excellence in German.

ORATION AND ESSAY PRIZES. All papers in any competition must be upon subjects assigned by the Faculty, and must be left with the President at a given day and hour. They must be typewritten upon one side of sheets about eight by eleven inches, with broad margins for binding. Papers must be properly numbered and fastened securely; they must not be rolled or folded. Each hundred words must be indicated by numbers in the margin. Each paper must be signed with a fictitious name, and accompanied by a sealed envelope similarly marked and containing the name of the author.

Papers not conforming to these requirements and papers submitted late will be returned to the writers without credit. Prize

orations must not be published before they are spoken. Successful papers become the property of the Library.

6. CLARK PRIZE ORATION. A foundation of $1,000, begun by the late Aaron Clark, A.M., of New York, increased by the late Henry A. Clark, of the Class of 1838, provides prizes for seniors excelling in original oratory.

Orations may contain not more than fifteen hundred words, and must be left with the President before noon of the first Saturday following the spring recess. They are considered by the Reading Committee of the Faculty, who determine the best six orations, regardless of subject, provided there be six of sufficient merit. The orations are delivered on the Saturday evening of commencement week. The award is determined by a committee of five judges at the close of the exhibition, and is then announced.

Subjects, 1930: The Leaven of Science; The United States Supreme Court; The Hellenic Race in America; The Millionaire and the Law; America as International Arbiter; Russian Nationalism; Germany's Debt to Her Adopted Races; International Citizenship; The Declaration of War Vested in the People; Witchcraft; Napoleon at St. Helena; Marshal Foch; Democracy, English and American; Sarah Bernhardt; The Mexican Immigrant in the United States; The Increasing Power of the Spoken Word; Culture in America; International Finance and Peace.

7. PRUYN MEDAL ORATION. A foundation of $500 by the late Chancellor John V. L. Pruyn, of Albany, provides a gold medal for the senior writing the best oration on "The Political Duties of Educated Young Men."

Subject, 1930: Diplomacy in Theory and Practice.

8. HEAD PRIZE ORATION. A foundation of $1,000 by the late Franklin H. Head, LL.D., of the Class of 1856, provides a prize for the senior writing the best oration upon a theme relating to Alexander Hamilton.

Subject, 1930: Alexander Hamilton's Influence on the Development of Constitutional Government in Canada.

9. KIRKLAND PRIZE ORATION. A foundation of $500 by the late Mrs. A. R. Kirkland, of Clinton, provides a prize for the senior writing the best oration upon a theme in Biblical science.

Subject, 1930: The Apostle Paul in the Roman Empire.

Orations submitted by competitors in the Pruyn, Head, and Kirkland contests may contain not more than twelve hundred words, and must be left with the President before noon of the first Saturday following the spring recess. A senior may receive not more than one of these awards, though he may write on more than one subject. Each prize oration is delivered at the commencement exercises.

10. KELLOGG ESSAY PRIZES. A foundation of $700 by the late Charles C. Kellogg, of the Class of 1849, provides book prizes for two juniors, one sophomore, and two freshmen who excel in English essays.

Subjects, 1930: *Juniors:* Twentieth Century Developments in the English Novel; The World's Debt to Italian Art. *Sophomores:* Vergil's Bi-millennial. *Freshmen:* Etna and Vesuvius in History; Man's Battle with the Bugs.

11. COBB ESSAY PRIZE. A foundation of $500 by the late Willard A. Cobb, of the Class of 1864, provides a prize of $25 for the undergraduate submitting the best essay on journalism.

Subject, 1930: Journalism as a Preparation for Authorship.

12. HUTTON ESSAY PRIZE. A foundation of $500 by the late William Hutton, D.D., of the Class of 1864, provides a prize of $25 for the sophomore submitting the best essay on an assigned subject in Biblical history.

Subject, 1930: Diction in Homer and the Bible.

In the Kellogg, Cobb, and Hutton competitions, one subject is assigned for each prize offered. A competitor may write on more than one assigned subject, but he may receive only one award in any year. An award does not bar a student from competition in a subsequent year.

Essays may contain not more than thirty-five hundred words, and must be left with the President before noon of the first Saturday following the spring recess. They are judged by a committee chosen by the Professor of Rhetoric and Oratory.

13. WILLIAM DUNCAN SAUNDERS PRIZE IN ENGLISH WRITING. A prize of $200, in memory of William Duncan Saunders, is offered by Mrs. Edward Wales Root and Alexander Woollcott, L.H.D., for the best piece of undergraduate writing either sub-

mitted in manuscript or published before the beginning of the second semester.

The competition is open to all undergraduates in attendance at the College in the year of the award. The prize is offered for each of five years beginning with 1925-26. Professor Robert Barnes Rudd is the chairman of the Committee of Award and will nominate the other members, the majority of whom are to be from the Faculty of the College.

14. McKinney Prize Debate. A foundation of $1,500 by the late Charles McKinney, of Binghamton, provides two prizes of $50 and $25 for seniors excelling in extemporaneous debate.

The proposition for debate is chosen by the Reading Committee and submitted to the Faculty for approval early in April.

The Prize Debate is held on the Wednesday evening nearest June 1, at eight o'clock. Notes may not be used in the debate. The award is made by a committee of five, not members of the Faculty, and is announced at the close of the debate. In making the decision, the judges determine the best and the second best debaters. These receive the prizes of $50 and $25 respectively.

Subject, 1929: Resolved, that this house deplores the growing tendency of the United States to extend its influence and control over other nations.

15. McKinney Prize Declamation. A foundation of $700 by the late Charles McKinney, of Binghamton, provides book prizes for the two men in each of the three lower classes who excel in declamation.

Four contestants are annually chosen from each of the three lower classes upon the basis of their record in declamation up to the time of appointment. The competition is held in the College Chapel on the Friday afternoon of commencement week. The award is made by a committee chosen by the Professor of Rhetoric and Oratory.

16. Darling Prize in American History. A foundation by the late Charles W. Darling, of Utica, supplemented by a friend of the College, provides a prize of $25 for the senior having the best record in the courses in American History offered to his class.

17. Putnam Prize in American History. The gift of Dr. Frederick W. Putnam of Binghamton, supplemented by a friend

of the College, provides a prize of books to the value of $20 for the senior having the second best record in the courses in American History offered to his class.

18. Euler Prize in European History. In honor of the the late Edward Edwin Euler, of the Class of 1923, a prize of books to the value of $25 may be provided for the senior who has the best record in at least two advanced courses in European history.

19. Soper Prize Thesis. A foundation of $1,500 by the late Arthur W. Soper, of New York, provides a prize of $75 for the best thesis on a topic in economics assigned by the Faculty.

The competition is open to all seniors who are taking a second or third year-course in Economics. The thesis subject for each class is announced toward the end of junior year. Theses are not limited as to length. They must be left with the President before noon of the Saturday following the spring recess. They are judged by a committee chosen by the Faculty from outside their own number.

Subject, 1930: The Tariff and the American Farmer.

20. Tompkins Prizes in Mathematics. A foundation of $3,200 by the late Hamilton B. Tompkins, A.M., of the Class of 1865, provides prizes of $100 and $50 for juniors who excel in mathematics. The award is made upon the basis of an examination near the close of junior year, involving the work of courses 3-4 and 5-6 in Mathematics.

21. Holbrook Prize in Biology. A foundation of $1,000 by the late David A. Holbrook, of the Class of 1844, provides a prize of $50 to the senior having the best record in three year-courses in biology.

22. Underwood Prize in Chemistry. A foundation of $3,000 begun by the late George Underwood, of the Class of 1838, and increased by J. Platt Underwood, of the Class of 1870, of Chicago, Ill., provides a prize for the senior who excels in chemistry.

23. Southworth Prize in Physics. A foundation of $500 by the late Tertius D. Southworth, of the Class of 1827, provides a prize for the senior who excels in physics,

24. MAYNARD ENTRANCE PRIZE. A prize of $100 is offered annually by Reuben Leslie Maynard, A.M., of the Class of 1884, of New York, N. Y., to that freshman who shall have passed the best entrance examinations in all the subjects of an admission group at the College in September, shall prove himself of good conduct and character in the College, and shall gain an average grade of high honor in his work through the freshman year.

25. BROCKWAY ENTRANCE PRIZE. A foundation established by the late Dr. A. Norton Brockway, of the Class of 1857, provides a prize of $25 annually which is offered to the freshman who shall have passed the second best entrance examinations in all the subjects of an admission group at the College in September and shall complete the work of the freshman year in an orderly manner.

GENERAL INFORMATION

Situation

The College is situated at the center of New York State, in the county of Oneida, one mile from the village of Clinton. Seven miles to the northeast lies the city of Utica, on the main line of the New York Central, accessible from Clinton both by trolley and by the New York, Ontario & Western railroad.

The College occupies a natural plateau nine hundred feet above the sea and three hundred feet above the adjacent valley. Its campus is a park of about one hundred and fifty acres, shaded by venerable trees, with an easterly exposure, overlooking the Oriskany and Mohawk valleys. Its buildings, arranged in quadrangles, are modern and adequate, and with few exceptions are constructed entirely of stone. The naturally healthful conditions secured by the elevation and by air exceptionally pure and dry are supplemented by a private water supply from spring-fed reservoirs above the College, and by an extensive system of sanitation constructed in accordance with the best modern practice and officially approved by the state authorities.

Buildings

DORMITORIES. Three dormitories afford exceptional accommodations for about one-half of the undergraduates. Carnegie Hall (1904) and South College (1906) together receive about 140 men. They are fireproof and equipped with steam heat, broad fireplaces, hardwood floors, electric light, and bathrooms. North College (1842), now extensively improved, affords comfortable accommodations for 54 men at more moderate rental.

Nearly all the rooms are arranged in suites, which are restricted to two, three, or four occupants. No reduction is made in the rental if a suite is occupied by less than the designated number of

men. The College provides essential furniture; and full care of rooms is included in the rental. All rooms are leased for the academic year only, and the buildings are closed during vacations. Fuller details and the rules governing the leasing of rooms may be obtained from Edward M. Coughlin, the Bursar of the College.

SCIENCE AND RECITATION HALLS. Three buildings are devoted to the work of the science departments. Root Hall of Science (1897) houses the departments of physics and mathematics, with an entire floor for each. The Chemical Laboratory (1903), a two-story stone building, is devoted exclusively to the department of chemistry. The new three-story Biology-Geology Building (1925), at the north end of the west quadrangle, accommodates the departments of biology and geology. It contains ample laboratories and lecture rooms, the departmental libraries, and the College Museums of Natural History, Mineralogy, and Anthropology. Silliman Hall (1889) accommodates the department of music appreciation, and furnishes a meeting place for the undergraduates. Benedict Hall of Languages (1897) and Truax Hall of Philosophy (1900) provide recitation rooms for other departments of instruction.

ADMINISTRATION BUILDING. Buttrick Hall (1812), recently known as Knox Hall, the first building erected by the College, has been restored (1926) to its original form and adapted to the purposes of administration. It provides offices for the President and other officers of the College, and a convenient room for meetings of the Trustees and of the Faculty.

CHAPEL. The Chapel (1828, enlarged 1897), occupying the central site on the campus, is the home of the religious life of the College. It contains a fine organ and memorial windows. Here are held public lectures and the commencement exercises. It is also the College Church.

COMMONS. The Soper Commons (1903), a dignified Gothic dining hall, has accommodations for furnishing table board to two

hundred students. It is the center of the collective social life of the College. Here are held college dinners, undergraduate gatherings, and the alumni luncheon at commencement.

GYMNASIUM AND ATHLETIC EQUIPMENT. The Soper Gymnasium (1891, remodeled 1912) is equipped to afford facilities for indoor training. The ground floor contains the director's office, a large locker room with steel lockers, dressing rooms, showers, and a stock-room. The main exercising floor above is fitted with an oval running track, a basketball court, and wall and floor apparatus.

The Russell Sage Building (1922) houses a 220-yard cinder running track and an enclosed playing-field about 85 by 200 feet in size. This serves in winter as an ice-hockey rink and in other seasons, particularly during inclement weather, for the scheduled physical training hours of the undergraduate body generally. This building provides at the same time a well-lighted space for football practice of certain kinds in the late afternoon hours of October and November and a place for baseball in the spring and tennis in the rainy days of summer.

The Steuben Athletic Field, adjoining the main group of buildings, has a well-drained and watered football field and jumping pits, surrounded by a quarter-mile track and a 220-yard straightaway, both of cinders; a soccer field; a new baseball diamond beyond the Russell Sage Building, carefully levelled and drained; and nine tennis courts.

The equipment of the College for physical training includes also the Hamilton B. Tompkins Golf Course of nine holes, covering about sixty-five acres, all in the north-westerly portion of the campus, with the first tee and the ninth green both within a few rods of the gymnasium.

LIBRARY. The Library (1914), the gift of Mrs. Ellen Curtiss James, is a substantial fireproof building, well adapted to the needs of the College. It has a large reading room, 30 by 65 feet in size,

with an open stack room adjoining, accommodating a selected students' library and reference books; a main stack room with a capacity of 100,000 volumes; a treasure room; an art room, with a stack room adjoining, for books on art and archeology; and several seminar rooms and studies for the use of undergraduates and Faculty.

The Library is open every college week-day from eight to six, and from seven-thirty to ten; on Sundays in the afternoon and evening; and in vacations daily from nine to four. Instruction is given to new students in the use of the catalogues and reference books and in the methods of working in the Library.

At present the Library contains about 132,000 volumes and 33,000 pamphlets. It is card-catalogued both by authors and by subjects. About 550 current periodicals and serials are received. The income from Library endowments of nearly $200,000, supplemented by appropriations from the general funds of the College, provides for its growth and administration. There were added 5,115 volumes during the year 1928-29. In the selection of books, primary regard is given to the wants of the several departments of instruction; but recommendations for the purchase of books of general interest, or such as any undergraduate desires for his own reading, always receive attention and are acted upon favorably if possible.

Scientific Collections

The Knox Museum of Natural History, located in the Biology-Geology Building, contains valuable scientific collections, the most important of which are classified as follows:

GEOLOGY AND MINERALOGY. More than 20,000 specimens of fossils, rocks, and minerals are accurately classified and arranged to illustrate the geological history of the earth, and the economic geology and mineralogy of important regions, particularly of New York State. The collection was founded by the elder Professor Oren Root, of the Class of 1833, about 1850. Under his direction it was extended to include 10,000

specimens, chiefly from New York State, some of which are the finest of their several kinds; and this part is known as the Oren Root Collection of New York State Minerals. It has been increased by purchase, by exchange, and by generous gifts from the late Egbert Bagg, of Utica, N. Y., John D. Conley, Ph.D., '69, of Carlinville, Ill., Benjamin W. Arnold, '86, of Albany, N. Y., Mrs. Frederick H. Gouge, of Utica, N. Y., and other friends of the college.

BIOLOGY. The biological division includes the extensive herbarium of the late Dr. H. P. Sartwell, of Penn Yan, N. Y., well known as a fine representation of American flora; the rare Benjamin D. Gilbert collection of ferns, donated by the Utica Public Library of Utica, N. Y.; upwards of 3,000 land, fresh-water, and marine shells, accurately classified; a collection of Japanese shells and insects, the gift of the late Rev. Henry Loomis, '66; the Barlow collection, comprising 13,000 insects, presented by the late Hon. Thomas Barlow, of Canastota, N. Y.; a large and valuable collection of butterflies, presented by Benjamin W. Arnold, '86, of Albany, N. Y.; several hundred bird skins, collected and prepared by Harry E. Dounce, '10; and several hundred specimens of birds and mammals, well mounted and classified.

ANTHROPOLOGY. The collection includes upwards of 2,000 specimens to illustrate the civilization of the Indians of North America, an extensive collection from the lake dwellings at Robenhausen, Switzerland, and many specimens illustrative of primitive culture in other parts of the world.

Medical Service

RESIDENT PHYSICIAN. By arrangement of the Board of Trustees, Dr. V. B. Hamlin, of Clinton, a physician of many years of successful experience, is regularly available to all officers and undergraduates of the College at his office in the Infirmary from 1 to 1:15 p. m. on week-days and from 10 to 10:15 a. m. on Sundays.

INFIRMARY. A suite of rooms has been provided in the Perry H. Smith Hall, for the use of the College as an infirmary. It includes a large ward with six beds, an isolation ward, a surgeon's room, with medical and surgical appliances, and a diet kitchen; and accommodations for the resident nurse.

An infirmary fee of $10 a year entitles the undergraduates to the services of the college physician and the resident nurse. In

particular, one week in the infirmary is provided without further cost. A charge of twenty-five cents is made in each instance for medicine and other materials used in dispensary treatment.

A foundation, known as the Robert Macalister Farrell Nursing Fund, donated by Dr. Thomas H. Farrell, of Utica, in memory of his son, Robert Macalister Farrell, '21, is applied toward the cost of hospital care for undergraduates.

Religious Instruction

The College, while under no denominational control, is distinctly Christian, and regards divine worship as a regular part of the life of its students. It avows its historic debt both to the Christian faith and to the patriotic devotion of its founders, and treats the devout recognition of God, revealed in His world and His word, as elemental and indispensable in the development of true manhood.

As a required college exercise there is held in the Chapel each week-day morning at eight a brief service, with Bible reading, song, and prayer. Each Sunday morning at half-past ten o'clock there is public worship, at which all members of the College are regularly required to be present.

The College preachers for the year 1928-29 were:

President Harry L. Reed, D.D., Auburn Theological Seminary, Auburn, N. Y.
Rev. W. W. Bellinger, D.D., New York, N. Y.
President J. Edgar Park, D.D., Wheaton College, Norton, Mass.
Rev. Frank M. Weston, D.D., Geneva, N. Y.
Rev. Robert G. McGregor, D.D., New Rochelle, N. Y.
Rev. James G. Gilkey, D.D., Springfield, Mass.
President Murray Bartlett, D.D., LL.D., Hobart College, Geneva, N. Y.
Professor Arthur L. Swift, Jr., Union Theological Seminary, New York, N. Y.
Rev. J. V. Moldenhawer, D.D., New York, N. Y.
Rev. Willard P. Soper, D.D., Pelham Manor, N. Y.
Rev. Theodore C. Speers, Utica, N. Y.

Rev. Peter K. Emmons, D.D., Scranton, Pa.
Rt. Rev. Charles Fiske, D.D., LL.D., Utica, N. Y.
Professor Gaius G. Atkins, D.D., Auburn Theological Seminary, Auburn, N. Y.
Rev. Alexander Thompson, Geneva, N. Y.
President Henry Sloane Coffin, D.D., LL.D., Union Theological Seminary, New York, N. Y.
Professor Henry H. Tweedy, D.D., Yale University, New Haven, Conn.
Rev. Anthony N. Petersen, D.D., Scarborough, N. Y.
Principal R. Bruce Taylor, LL.D., Queen's University, Kingston, Ontario.
Rev. Wilbur V. Mallalieu, D.D., Akron, Ohio.
Professor S. W. Dyde, Queen's University, Kingston, Ontario.
Dean Robert R. Wicks, D.D., Princeton University, Princeton, N. J.
Rev. Charles G. Sewall, D.D., Rye, N. Y.
Rev. Allan Knight Chalmers, Buffalo, N. Y.
President Paul D. Moody, D.D., Middlebury College, Middlebury, Vt.
Rev. Paul Scherer, D.D., New York, N. Y.
Rev. Wendell P. Keeler, D.D., Yonkers, N. Y.
Rev. Carroll Perry, Ipswich, Mass.
Rev. Samuel V. V. Holmes, D.D., Buffalo, N. Y.
Rev. Benjamin T. Marshall, D.D., New London, Conn.
Rev. Cady H. Allen, Hamadan, Persia.
Professor Ambrose W. Vernon, D.D., LL.D., Dartmouth College, Hanover, N. H.
President Frederick C. Ferry, LL.D., Hamilton College, Clinton, N. Y.

Every Christian man entering College is urged to become a member of the College Church, by letter either of commendation or of transfer. The Lord's Supper is celebrated three times in the college year.

Myers Lectures

Under a memorial endowment established by the mother of the late John Ripley Myers, '87, public lectures on subjects of general interest are given annually before the College by persons of distinction. During the year 1928-29 lectures upon this foundation were delivered as follows:

James Joseph Mallan, M.A. October 31
Contemporary British Politicians
Carl Sandburg November 21
Readings
Walter Starkie, M.A. February 27
Personalities of Modern Spain

Undergraduate Organizations

GENERAL ASSOCIATION FOR UNDERGRADUATE ACTIVITIES. The following undergraduate organizations are included in the General Association for Undergraduate Activities: the athletic teams, intramural sports, the dramatic club, and intercollegiate debating. The control of these various organizations, under the general rules laid down by the Faculty, is to some extent in the hands of a council or executive board of the General Association, consisting of three undergraduates, three members of the Faculty, and three alumni. An officer of the College is treasurer and all moneys pass through his hands.

Membership in the General Association is open to undergraduates on the payment of an annual tax, which cannot be more than $25. Payment of this fee is optional, but is expected of every undergraduate who is able. In return for it, undergraduates are admitted free to all games and entertainments given on College Hill under the auspices of the General Association.

DEPARTMENTAL ASSOCIATIONS. Several study clubs help to bring the members of the college community into closer personal relations. These, the German Club, the French Club, the Latin Club, the History Club, the Biology Club, the Political Science Club, and the Geology Club, are directed by the members of the departments concerned and meet from time to time.

PUBLICATIONS. The undergraduate publications are *The Hamilton Literary Magazine; Hamilton Life,* a weekly; the *Hamiltonian,* an annual; and the *Royal Gaboon,* a quarterly. The *Blue*

Book, a handbook of general college information, is prepared and distributed each autumn by a committee of undergraduates.

Expenses

Annual college charges include the following:

FOR ALL UNDERGRADUATES

Tuition	$200
(Beginning with the Class of 1931)	250
Undergraduate Activities, not more than	25
Infirmary fee	10

FOR RESIDENTS OF THE DORMITORIES

Room rent in	
Carnegie Hall	$125 to $150
South College	120 to 165
North College	70 to 110
Electric light, by meter, about	10

A charge of $5 is regularly made for every semester hour taken in any year in excess of the normal number for that year.

The Soper Commons is organized co-operatively under the supervision of the Manager. The price of board during the first semester of 1929-1930 is $7.70 a week.

Living expenses for undergraduates who room and board in society houses or elsewhere may vary somewhat from the figures given above. The College provides the necessary furniture for the rooms in the dormitories. Laboratory fees are charged in some science courses, ranging from $5 to $25 for the year. The graduation fee is $10. An undergraduate's additonal expenses will necessarily be governed by his tastes, resources, and appreciation of the value of money.

The annual registration fee of $25 is to be paid before August 1.

(See page 28.) All other college bills, including bills for board in Commons Hall, are payable semi-annually in advance. The Trustees instruct the Bursar to report the names of all undergraduates who at the end of the tenth day of the semester are delinquent in the payment of their fees, and the President is instructed to exclude such men from classes until payment is made. Absences thus incurred are not excused. Voluntary or careless damage done to College property is an extra charge to the individuals or classes responsible. If these are not known, the charge is assessed upon the whole undergraduate body, *pro rata*. No reduction in tuition fees is made for absence, either in case an undergraduate returns to a class which he has left, enters late, is absent under discipline, or is dropped. No undergraduate may receive a degree or honorable dismissal whose college bills are unpaid.

Postal and Railway Service

The post-office address of the College is Clinton, N. Y.

The railroads are: the New York, Ontario & Western, Utica Division, and the New York State Railways (electric), Clinton line. Electric cars leave Utica at a quarter before and a quarter past the hour; they leave Clinton on the hour and half-hour.

The usual express accommodations are provided by the American Railway Express Co., via the N. Y. O. & W. R. R.

DEGREES, HONORS AND PRIZES

1928-1929

Degrees in Course

Bachelor of Arts

Philip Roades Adams
Lloyd Vincent Almirall, ΦBK
Richard Annesley Atkins, ΦBK
Stuart Baker, Jr.
Everett Ward Bishop, Jr.
Lloyd Paul Bremer
Howard Purington Burt
Harlan Ford Calkins
Gardner Aloysius Callanen, Jr.
William Tod Campbell, Jr.
Pano Spero Chacona
Charles Corydon Chamberlain
Hin Cheung Chan
John Haskell Chapin
Sherwood Clarke Chatfield
George Clark, Jr.
Paul Vautrin Combs, ΦBK
Theodore Stallknecht Corwin
August Reynolds Crane
Leonard James Crane
William Johnston Cranston, Jr.
Frank Palmer Cutter
Maitland Charles DeSormo
Edwin Church Douglas, ΦBK
Frederick Daniel Eddy, ΦBK
Chamberlain Ferry
William Jeremiah Foley
Robert Douglas Gage, ΦBK
Mark Albert Grant
Erwin William Hollandt
David Edward Hunn
Joseph Selwyn Ibbotson
Theodore Hunt Ingalls
Maurice James Isaac, ΦBK
John Scott Kerr
Walter Elliott Knox, ΦBK
William J. Krum, Jr., ΦBK
Robert McAdam Lake
Donald Godfrey MacKenzie
Zebulun Lash Macmillan
Thomas Leighton McCready, Jr.
Alden Chester Merrick
Francis Edward Mineka, ΦBK
Raymond Anthony Mulford
John Robert Normile
Norman Christopher Oelheim
Willard Elvil Owens
Roy Smith Penner
Nicholas Donald Peters
John Shaw Rearick
Nelson Gorham Russell, Jr.
George Collins Sample
Russell Roberts Sherman
Ingvald Arthur Solberg
Morteza Drexel Sprague
William Cullen Stevens
Joseph Foster Studholme
Bernhard Ulmer
Harold Spoor VanSchaack
Herman Llewellyn Vaughan
Edgar Banker Vermilya
Harry Peck Weston
Emerson Edward White
Hiram Gruber Woolf

Bachelor of Science

Richard Turner Barns
Horace Seely Brown, Jr.
John Michael Joseph
Harold Nelson Kellam
Robert Lipsey Montgomery
Lawrence Lee Mulcahy, Jr.
Allen Roys Ostrander
Frederick John Parker, Jr.
Richard Alvin Reinecke
Reed Woodruff Rowley
William Merchant Rozell
Harry Babcock Williams

Master of Arts

Clifford Mortimer Crist
Paul Bernhardt Haist

Honorary Degrees

Master of Arts

Clement Roy Newkirk, Utica, N. Y.

Doctor of Divinity

Henry Kendall Booth, Long Beach, Cal.

Doctor of Music

Arthur Whiting, New York, N. Y.

Doctor of Laws

William Horace Hotchkiss, New York, N. Y.
Owen D. Young, New York, N. Y.

Honors

Scholarship Honors for the Course

Class of 1929

Honor

Lloyd Vincent Almirall, *Valedictorian*
Richard Annesley Atkins
Paul Vautrin Combs, *Salutatorian*
Edwin Church Douglas
Frederick Daniel Eddy
Robert Douglas Gage
Maurice James Isaac
Walter Elliott Knox
William J. Krum, Jr.
Francis Edward Mineka

CREDIT

Richard Turner Barns
Horace Seely Brown, Jr.
William Tod Campbell, Jr.
John Shaw Rearick
Richard Alvin Reinecke
Ingvald Arthur Solberg
Morteza Drexel Sprague
Bernhard Ulmer
Emerson Edward White
Harry Babcock Williams

ELECTIONS TO PHI BETA KAPPA

Class of 1929

Lloyd Vincent Almirall
Richard Annesley Atkins
Paul Vautrin Combs
Edwin Church Douglas
Frederick Daniel Eddy
Robert Douglas Gage
Maurice James Isaac
Walter Elliott Knox
William J. Krum, Jr.
Francis Edward Mineka

Class of 1930

Lawrence Stamper Darken
Colemar French Nichols
Stedman Davis Tuthill
Walcott Watson

DEPARTMENT HONORS, CLASS OF 1929

GREEK: Mr. Knox.
GERMAN: Messrs. Solberg, Ulmer.
FRENCH: Mr. Eddy.
ENGLISH LITERATURE: Messrs. Atkins, Combs, Mineka.
PHILOSOPHY: Mr. Chamberlain.
HISTORY: Mr. Douglas.
POLITICAL SCIENCE: Messrs. Callanen, Chapin, Douglas.
MUSIC: Mr. Almirall.
MATHEMATICS: Messrs. Douglas, White.
BIOLOGY: Mr. Barns.
CHEMISTRY: Messrs. Brown, Cranston, Rearick.
PHYSICS: Messrs. Barns, Brown.

SCHOLARSHIP HONORS FOR THE YEAR 1928-1929

Class of 1929

HONOR: Messrs. Almirall, Atkins, Brown, Chapin, Gage, Combs, Douglas, Eddy, Isaac, Krum, Mineka, Reinecke, Ulmer, White.

CREDIT: Messrs. Barns, Calkins, Callanen, Campbell, Chamberlain, Chatfield, Ferry, Foley, Knox, Lake, Macmillan, Mulcahy, Oelheim, Parker,

Peters, Rearick, Rowley, Rozell, Solberg, Sprague, VanSchaack, Williams, Woolf.

Class of 1930

HIGH HONOR: Messrs. Nichols, Tuthill.

HONOR: Messrs. Beetle, Darken, Grubb, Jarrett, MacIntyre, Niemeyer, Watson, Westerberg.

CREDIT: Messrs. Brown, Costello, Denne, J. B. Fanning, Hixson, V. A. Ives, Kitendaugh, McNeil, Parks, Savage, Schue, Seaver, Smelzer, Stevens, VanLoon, Wells.

Class of 1931

HIGH HONOR: Mr. Meagher.

HONOR: Messrs. Crowley, Cruser, Rayton, Redmond, M. C. Smith.

CREDIT: Messrs. Andrew, Bailey, Baldwin, Bresee, Crade, Dixon, Drummond, Lawrence, L. G. Morris, Musial, Polhemus, Rumble, A. B. Smith.

Class of 1932

HONOR: Messrs. Campbell, Glazer, Porter, Rogers, Sloane, Woodcock.

CREDIT: Messrs. Ashmead, Bartram, Danella, Harwood, Kelsey, Palewski, J. H. Payne, Pouser, Pritchard, Sechrist, Stein, Stone, Zuckerman.

Prizes

ROOT FELLOWSHIP: Edwin Church Douglas.

CHAUNCEY S. TRUAX GREEK SCHOLARSHIP: Samuel Anthon Ives.

EDWARD HUNTINGTON MATHEMATICAL SCHOLARSHIP: Lawrence Stamper Darken.

ARTHUR W. SOPER LATIN SCHOLARSHIP: Stedman Davis Tuthill.

CHARLES HOLLAND DUELL GERMAN SCHOLARSHIP: Milton Peterson Kinsey.

OREN ROOT MATHEMATICAL SCHOLARSHIPS: Isadore Effron Crade; Montgomery Cayley Smith, Jr.

RENWICK SCHOLARSHIP IN BIOLOGY: Thomas Christman Grubb.

FAYERWEATHER PRIZE SCHOLARSHIPS: No competition.

CURRAN PRIZE IN GREEK AND LATIN: Samuel Anthon Ives.

HAWLEY PRIZE IN GREEK: Morteza Drexel Sprague.

HAWLEY PRIZE IN LATIN: Francis Jerome Crowley.

WINCHELL PRIZE IN GREEK: No award.

BRANDT PRIZE IN GERMAN: Bernhard Ulmer.

CLARK PRIZE ORATION: *First,* Francis Edward Mineka; *Second,* William

J. Krum, Jr.; *Third,* Robert Douglas Gage. *The other appointees to the contest:* Messrs. Campbell, Combs, Mulcahy.

PRUYN MEDAL ORATION: No award.

HEAD PRIZE ORATION: Francis Edward Mineka.

KIRKLAND PRIZE ORATION: No award.

MCKINNEY PRIZE DEBATE: *First,* George Collins Sample; *Second,* John Haskell Chapin. *The other appointees to the contest:* Messrs. Almirall, Douglas, Mineka, Stevens.

KELLOGG ESSAY PRIZES: No award.

COBB ESSAY PRIZE: Vernon Arthur Ives.

HUTTON ESSAY PRIZE: Robert Woodside Cruser.

WILLIAM DUNCAN SAUNDERS PRIZE IN ENGLISH WRITING: Richard Annesley Atkins; Paul Vautrin Combs.

MCKINNEY DECLAMATION PRIZES:

Juniors: First, Crosby Tracy Smelzer, Jr.; *Second,* Colemar French Nichols.

Sophomores: First, Francis Jerome Crowley; *Second,* Isadore Effron Crade.

Freshmen: First, Jack William Hummer; *Second,* Waterman Baldwin.

DARLING PRIZE IN AMERICAN HISTORY: Edwin Church Douglas.

PUTNAM PRIZE IN AMERICAN HISTORY: Maurice James Isaac.

EULER PRIZE IN EUROPEAN HISTORY: No award.

SOPER PRIZE THESIS: No award.

TOMPKINS MATHEMATICAL PRIZES: *First,* Lawrence Stamper Darken; *Second,* Charles Holman Westerberg, Jr.

HOLBROOK PRIZE IN BIOLOGY: Richard Turner Barns; William Johnston Cranston, Jr.

UNDERWOOD PRIZE IN CHEMISTRY: Horace Seely Brown, Jr.

SOUTHWORTH PRIZE IN PHYSICS: Horace Seely Brown, Jr.

MAYNARD ENTRANCE PRIZE: *Class of 1932,* No award; *Class of 1933,* No candidate.

BROCKWAY ENTRANCE PRIZE: *Class of 1932,* No award; *Class of 1933,* No candidate.

HAMILTON COLLEGE SINGING TROPHY: Awarded to the Class of 1931.

REGISTRATION*

Fellow

Douglas, Edwin Church — *Brooklyn*
Root Fellow in Science. In residence at Harvard University, Cambridge, Mass.

Candidates for the Degree of Master of Arts

Mineka, Francis Edward *English, Latin*	*Clinton*	Edward Cackett's
Palmer, Robert Morris *Ethics, New Testament Greek*	*Gloversville*	Gloversville
Tolles, Winton *English*	*Clinton*	Edward Cackett's

Seniors, Class of 1930

Aderhold, William Henry, Jr.	*Watervliet*	ΧΒΣ House
Agens, Maynard Crosby	*Lowville*	Emerson Hall
Ayrault, Wardell Kinnaird	*Jamestown, R. I.*	ΛΞΣ House
Bailey, Alaric Rosencrantz	*Jamestown*	ΔΚΕ House
Beetle, David Harold	*Utica*	13 C
Bond, Paterson	*Brooklyn*	ΔΚΕ House
Brown, Paul Ellsworth	*Watertown*	ΘΔΧ House
Carlisle, Phillips Brooks	*New Haven, Conn.*	ΘΔΧ House
Carson, Donald MacKenzie	*Williamsport, Pa.*	ΣΦ Place
Carvalho, Milton Amsler	*Newark, N. J.*	ΧΒΣ House
Chase, Frederic Peter Spence	*Clinton*	13 S
Corby, Frederick Thomas	*West Orange, N. J.*	Emerson Hall
Costello, Edward Paul	*Geneseo*	7 C
Cropsey, Franklin Barker	*Albion*	Prof. Morrill's
Darken, Lawrence Stamper	*Ridgewood, N. J.*	ΛΧΑ House
Davis, Frederic Neil	*Buffalo*	4 C
Denne, William Henry, Jr.	*New York*	ΨΥ House
Dillenbeck, Marsden VanWie	*Johnstown*	ΛΞΣ House
Dutcher, Raymond Havelock	*Sherrill*	Emerson Hall
Fanning, Joseph Brost	*Southampton*	Emerson Hall
Ferlo, Joseph John	*Rome*	2 C

*C—Carnegie Hall. N—North College. S—South College.

Ford, Henry Rutgers, Jr.	*Buffalo*	11 S
Frazee, Charles Osborn	*East Hampton*	Emerson Hall
George, Lloyd Livingston	*Englewood, N. J.*	ΑΔΦ House
Green, Daniel	*Dolgeville*	ΔΤ House
Grubb, Thomas Christman	*Brooklyn*	9 C
Hand, Jasper Newell	*Laurens*	ΘΔΧ House
Hart, Howard Fenley	*Watertown*	ΘΔΧ House
Hartman, Frederick Bittinger	*Liberty*	ΧΨ Lodge
Harwood, Henry Hendricks	*Rye*	ΔΚΕ House
Hayes, Louis Neville	*Sherrill*	ΑΧΑ House
Hill, Robert Allison	*Albany*	Emerson Hall
Holmes, Frederick Prevost, Jr.	*Utica*	1307 Steuben St., Utica
Holroyd, Lincoln, Jr.	*Utica*	ΑΧΑ House
Homrighouse, Frederick Mang, Jr.	*Utica*	20 S
Ives, Samuel Anthon	*Brooklyn*	7 S
Ives, Vernon Arthur	*Watertown*	Emerson Hall
Jarrett, William Armistead	*Shepherdstown, W. Va.*	11 C
Jenks, Maurice Lamotte, Jr.	*White Plains*	ΑΔΦ House
Jones, Louis Clark	*Albany*	Emerson Hall
Kavakos, Meletios	*Brooklyn*	9 C
Kinsey, Milton Peterson	*Ridgewood*	ΔΞΣ House
Kitendaugh, George Henri, Jr.	*Oneida*	ΑΧΑ House
Knutty, John Suter	*Utica*	ΧΒΣ House
Lathrop, Addison Sargent	*Brooklyn*	ΧΨ Lodge
Law, Theodore Gilman	*Briarcliff Manor*	ΣΦ Place
Lawton, James Frederick	*Wilmette, Ill.*	ΔΤ House
Luther, Everett David	*Clinton*	Clinton
MacIntyre, James Campbell	*Johnstown*	ΘΔΧ House
Mangan, William DeLamater	*Binghamton*	ΔΚΕ House
McDonald, Anthony Lawrence	*Ogdensburg*	Emerson Hall
McGregor, Rumsey Miller	*New Rochelle*	ΑΔΦ House
McNeil, Donald Southworth	*Utica*	13 C
McTighe, James Henry	*Binghamton*	ΨΤ House
Mead, Franklin Bush, Jr.	*Fort Wayne, Ind.*	ΣΦ Place
Miller, Ralph Eaton, Jr.	*Bloomsburg, Pa.*	ΣΦ Place
Moore, Thomas Francis, Jr.	*Mohawk*	8 C
Nichols, Colemar French	*Cortland*	ΔΚΕ House
Niemeyer, John Harry	*Scranton, Pa.*	ΧΨ Lodge
Ohashi, Allan Kyso	*Islip*	ΨΤ House
Palmer, Harris Hillman	*Auburn*	ΔΤ House
Parks, Robert William	*Newport*	ΔΚΕ House
Phillips, Charles Spencer	*Utica*	ΘΔΧ House

Prentiss, Robert Jerome	*Iowa City, Ia.*	ΔKE House
Rodgers, Henry Allen	*Albany*	Emerson Hall
Rogers, Philip Virgilius	*Clinton*	ΣΦ Place
Sarles, Harvey Julian	*New York*	15 S
Savage, Richard Irwin	*Churchville*	ΘΔX House
Schue, Francis Oscar	*Rome*	15 N
Seaver, Robert Hibbard	*Pittsfield, Mass.*	ΣΦ Place
Sewell, Robert Gilchrist	*Cortland*	4 C
Shepherd, George Frederick	*Clinton*	ΨΥ House
Sherman, Walter Bonney	*Auburn*	Emerson Hall
Smelzer, Crosby Tracy, Jr.	*Cranford, N. J.*	ΑΔΦ House
Stevens, Edward Livingston, Jr.	*Delhi*	ΨΥ House
Tuthill, Stedman Davis	*Camden*	ΔΥ House
VanLoon, Arden David	*Bath*	10 S
Walts, Harry Lambert	*Fort Plain*	ΑΧΑ House
Watson, Walcott	*Bronxville*	13 S
Webster, Emery Douglas, Jr.	*Brockport*	Emerson Hall
Westerberg, Charles Holman, Jr.	*Westfield, N. J.*	ΧΨ Lodge
Williams, Frank Curtis	*Syracuse*	ΧΨ Lodge
Williams, Melvin Armand	*Baltimore, Md.*	9B N
Young, Grant Swancott	*Utica*	ΑΧΑ House

Juniors, Class of 1931

Adams, John Myron, Jr.	*Baltimore, Md.*	ΔKE House
Allen, William Henry	*Hinsdale, Ill.*	ΑΔΦ House
Anderson, Reinhold Searle	*Syracuse*	23 N
Bailey, Henri Lewis	*Washington, D. C.*	9A N
Bannerman, Graeme Campbell	*Washington, D. C.*	20 S
*Bates, Arthur Seymour	*Cortland*	Paris, France
Birch, John McLoughlin	*Utica*	18 C
Boevé, Lucas, Jr.	*Kingston*	25 S
Bonner, Albert Laney	*McGraw*	ΑΧΑ House
Bresee, Wilmer Edgar	*Oneonta*	ΧΒΣ House
Britten, George	*Cortland*	ΔKE House
Bush, Louis Clifford	*Lowville*	21 C
Carberry, Kenneth Slater	*Newark, N. J.*	24 C
Carmer, DeLand	*Fairport*	ΨΥ House
Carpenter, Robert Putnam	*Cortland*	ΨΥ House
Conger, Harold Jewell	*Utica*	ΑΔΦ House

* On leave of absence for foreign study.

Corwin, John Frederick	*Orange, N. J.*	3 N
Coxon, William Francis, Jr.	*Utica*	ΑΧΑ House
Crade, Isadore Effron	*Utica*	1203 Steuben St., Utica
Crane, Thomas Robert	*Clinton*	Philip B. Crane's
Crowley, Francis Jerome	*Williamstown, Mass.*	15 S
Cruser, Robert Woodside	*Conklin*	3 S
Day, Theodore C.	*Livonia*	Chapel
Deaner, Franklin Joseph	*Rochester*	21 C
Denham, Tilson Sherman	*Syracuse*	3 C
Dixon, Edward Sackett	*Hall*	ΘΔΧ House
Drummond, Burke Wills	*Auburn*	ΔΚΕ House
Eggleston, Leslie Everett	*Greene*	17 N
Ellison, Frederick Speirs	*White Plains*	ΔΥ House
Empsall, Robert Hunt	*Malone*	ΨΥ House
Fairchild, David Page	*Plattsburg*	ΨΥ House
Fanning, Irving Harlow	*Hampton Bays*	ΛΞΣ House
Fischer, Gordon	*Brooklyn*	18 S
Folley, John Frederick, Jr.	*Syracuse*	ΘΔΧ House
Fonda, Douw Henry, Jr.	*Plandome*	23 S
Fordham, Henry Halsey	*Southampton*	24 S
Fraser, Clarence Bruce	*Ferndale*	ΧΒΣ House
Friedlander, Paul Josef	*Utica*	1216 Francis St., Utica
Frisbee, Jay Graham	*Andes*	17 N
Graham, Allan Stuart	*Mount Vernon*	ΔΥ House
Guyton, John Putnam	*Evanston, Ill.*	20 C
Hancock, Alfred VanWagenen	*Syracuse*	21 S
Harman, Harry Overfield	*Bainbridge*	10 S
Hiler, Donald Clinton	*Brockport*	ΑΔΦ House
Hughes, James Robb, Jr.	*Utica*	ΑΔΦ House
Hutchinson, James Woods	*Maplewood, N. J.*	6 C
Jayne, Lloyd Smith	*Batavia*	ΛΞΣ House
Johnson, Theodore Alanson Page	*Englewood, N. J.*	Emerson Hall
Jones, John Haydn	*Utica*	ΑΔΦ House
Kerr, Robert Henry	*Cincinnatus*	8 C
Keyes, Oliver Johnson	*St. George*	21A N
Knox, Herbert Allan, Jr.	*New York*	19 C
Kuczycke, Ralph Joseph	*Binghamton*	1 N
Lawrence, Howard Aubrey	*Brooklyn*	16 N
Marvin, Lewis Mead	*Brooklyn*	24 C
Meagher, Jefferson Frederick	*Binghamton*	8 S
Moore, James Westcott	*Fort Plain*	ΑΔΦ House
Morris, LaRue Gordon	*Endicott*	ΔΚΕ House

Morris, William Charles	*Utica*	5B N
Morrison, Robert Tyler	*Montgomery*	ΑΞΣ House
Mosher, William Eugene, Jr.	*Syracuse*	24 S
Musial, Robert	*Yonkers*	19 S
Normile, Joseph George	*Binghamton*	ΔΚΕ House
Pardee, Curtis Rosebrook	*Syracuse*	ΛΧΑ House
Persson, Thure Walter	*Roslyn*	ΔΤ House
Polhemus, Winford Lester, Jr.	*Woodhaven*	16 C
Puglisi, Barney Sebastian	*Binghamton*	1 N
Rayton, Willis MacNair	*Rochester*	17 C
Redmond, Albert Carroll	*New York*	8 S
Richards, John Lowell	*Oswego*	9 S
Rienzo, John Edward	*Rome*	ΧΒΣ House
Rodger, John Archibald	*Moravia*	24 C
Ross, William Frederic	*Syracuse*	24 S
Rumble, Edmund Taylor, Jr.	*Maplewood, N. J.*	2 C
Senior, Latimer Bayard	*Utica*	5 C
Smith, Andrus Bassett	*Norwich*	Chapel
Smith, Montgomery Cayley, Jr.	*Hudson*	ΨΤ House
Smith, Osgood Reuel	*Skaneateles*	ΨΤ House
Stevens, Mathewson Delacroix	*Brooklyn*	18 S
Symonds, Charles Searle	*New Hartford*	12 S
Tucker, Frederick Porter	*New Bedford, Mass.*	ΨΤ House
Vibberts, Frank Gerald, Jr.	*New Britain, Conn.*	ΘΔΧ House
Wardwell, James Fletcher	*Rome*	ΨΤ House
Webb, Howard Philips	*Whitesboro*	Clinton
Wilson, Robert Letchworth	*Buffalo*	12 S

Sophomores, Class of 1932

Abbott, Paul Richard, Jr.	*Glens Falls*	2 N
Albert, John Alfred	*Liberty*	ΧΒΣ House
Ashmead, Robert Nelson	*Jamaica*	ΨΤ House
Baldwin, Waterman	*Waverly*	7 N
Bartram, John Bowman	*Arlington, N. J.*	14 C
Bates, Marion Noble	*Rome*	ΨΤ House
Batten, Douglass Hasbrouck	*Lyndhurst, N. J.*	16 S
Benedict, Enos Staples	*Brockport*	30 S
Best, Richard Aaron	*Ilion*	ΧΨ Lodge
Blake, William John, Jr.	*Cranford, N. J.*	27 S
Bourne, Alfred Severin, Jr.	*Augusta, Ga.*	21 S
Broughton, William Raymond	*Buffalo*	14 C

Brown, George William	*Binghamton*	12 C
Burnett, Robert Daniel	*South Orange, N. J.*	9 S
Campbell, Hallock Cowles	*Brooklyn*	19 C
Carpenter, Robert Charles	*Clinton*	Clinton
Caswell, Tiffany Brainerd	*Rome*	ΨΥ House
Chase, Herbert Irving	*Melrose*	ΧΒΣ House
Christiana, William Francis	*Hudson*	ΨΥ House
Clark, Beauchamp Coleman	*Narrowsburg*	22 N
Clarke, Robert Slosson	*Glens Falls*	5 C
Cooke, George Bradford	*Monticello*	23 S
Corby, Herbert Edward	*West Orange, N. J.*	8 N
Coward, Wilson Lathrop	*Waverly*	ΔΞΣ House
Crane, Homer Curtiss	*Waterbury, Conn.*	4 S
Crowell, Winthrop Sears	*New York*	30 S
Crutchley, Fenton Edward	*Southampton*	8 N
Cunningham, Donald Monro	*Lynbrook*	22 S
Danella, Jack John	*Utica*	24 N
Davis, Robert Armstrong	*Erie, Pa.*	4 S
Denman, Alvan Bayard Christopher	*Cranford, N. J.*	27 S
Disney, Frank Albert	*Rockville Centre*	16 C
Dixon, John Sherman	*East Orange, N. J.*	21 S
Eames, Norris Morey	*Buffalo*	28 S
Edwards, George Vail, Jr.	*New York*	ΨΥ House
Estabrook, Charles Scott, Jr.	*Fayetteville*	25 S
Fisher, Clarence Ingals	*Lyons Falls*	12 C
Fisher, Jerome Bonaparte, Jr.	*Jamestown*	9 S
Fox, Frederick Close	*Toledo, O.*	2 N
Fredman, Odin	*Woodside*	ΧΒΣ House
Glazer, Sidney Simon	*Brooklyn*	5 S
Gross, Edward Valentine	*Brooklyn*	17 C
Gross, Kelland Frederick	*Brooklyn*	15 C
Harris, William McCord, Jr.	*Riverdale-on-Hudson*	15 C
Harvey, Arthur Oswald	*Yonkers*	19 C
Harwood, Theodore Henry	*Dorset, Vt.*	7 C
Henderson, Allen Robert	*Tarrytown*	21 C
Heuston, Harold Zell	*New York*	3 C
Hobart, Henry Bentley, 3d	*Boonville*	18 S
Hofstetter, Gordon William	*Herkimer*	18B N
Hollenbeck, Sebert Earl	*Bainbridge*	26 S
Holt, Samuel James	*Utica*	10 N
Howard, John Wade	*Bradford, Pa.*	7 S
Howard, Timothy Joseph	*Utica*	Clinton

Hubbard, Robert James	*Cazenovia*	13 S
Humeston, Edward Judson, Jr.	*Huntington*	ΑΔΦ House
Hummer, Jack William	*Syracuse*	12 C
Jamieson, Frank Berkeley	*Westover, Va.*	25 S
Jenks, Richard Askey	*White Plains*	ΑΔΦ House
Jones, Jenkin Maynard	*Utica*	7 N
Jones, Thomas Gray	*Utica*	19 N
Kelsey, Weston Maynard, Jr.	*Palmerton, Pa.*	ΑΔΦ House
Leavenworth, Thomas Warner	*Amsterdam*	10 C
Lester, John Wheeler	*Hamburg*	22 S
Lewis, Clifford Ager	*Troy*	ΧΒΣ House
Maijgren, Henry Thorvald	*Rochester*	6 C
Mangan, John Henry, Jr.	*Binghamton*	6 C
Merriam, Edmund Arnold, Jr.	*Wallingford, Conn.*	10 C
Monacelli, William Anthony	*Albion*	16 N
Moore, Frederick Jessup	*New York*	ΨΥ House
Morrow, William Wheelock	*Mount Morris*	7 C
Norton, Mortimer Herbert	*Utica*	ΛΞΣ House
Palewski, Stanley Benedict	*Utica*	19 N
Palmer, Hamilton Slade	*Waverly*	18 C
Payne, Charles Selock	*Liberty*	2 S
Payne, John Hobart Jay	*Liberty*	11 C
Phelps, Robert George	*Rockville Centre*	3 C
Pippitt, Richard Branch	*Port Jervis*	3 N
Pope, John Leslie	*Glencoe, Ill.*	12 S
Porter, Harry William	*Mount Morris*	18 C
Prescott, Edward Watson	*West Roxbury, Mass.*	20 C
Pritchard, Walter Herbert	*Binghamton*	30 S
Rawson, Frederick Holbrook, Jr.	*Chicago*	ΣΦ Place
Ready, John Overton, Jr.	*Brooklyn*	22 N
Rogers, Ralph	*Clinton*	14 S
Scagel, Kenneth McClellan	*Clinton*	Clinton
Schoepflin, Merle Charles	*Warsaw*	Chapel
Schwaiger, Earle Furman	*Clinton*	Clinton
Sechrist, Richard Grant	*Knoxboro*	19 S
Skinner, Andrew Elwyn	*Worcester*	22 C
Sloane, William	*Brooklyn*	3 S
Smith, Alfred Holbrook	*Brooklyn*	2 S
Smith, Carl Benton, Jr.	*Syracuse*	ΨΥ House
Smith, Roy Lacey	*Vernon*	15 C
Stein, Arthur Harold	*Brooklyn*	5 S
Stewart, Edgar Eginton, Jr.	*Great Neck*	16 C

Stone, Benjamin Johnson	*Washington, D. C.*	28 S
Tennant, Robert Clermonte	*Cooperstown*	11 S
Tuthill, Richard Marsden	*Rochester*	22 S
VanDeventer, John Francis	*Passaic, N. J.*	ΨΥ House
VanOrsdell, Elbert Lamasure	*Hudson*	ΨΥ House
Wagenblass, John Henry	*Warsaw*	22 C
Walsh, John Joseph	*Utica*	19 N
West, John Richard	*Elmira*	9 C
Wettlaufer, Crawford Dale	*Buffalo*	28 S
White, Albert Kirk	*Troy*	ΨΥ House
Will, Frank Edward	*Batavia*	ΛΧΑ House
Wilson, Merrill Kline	*Johnstown*	ΛΞΣ House
Woodcock, William Alexander	*Syracuse*	ΨΥ House
Young, John Southard	*Lockport*	20 S
Zalewski, John Boleslaus	*Utica*	25 N
Zuckerman, Leo Arverme	*Saratoga Springs*	5 S

Freshmen, Class of 1933

Alberico, Ralphael	*Utica*	4 N
Armstrong, Willis Coburn	*Summit, N. J.*	ΔΥ House
Austin, Wallis	*Oak Park, Ill.*	ΑΔΦ House
Ayers, Samuel	*Warwick*	ΔΚΕ House
Barlow, Scott	*New York*	17 S
Barron, Murray Benson	*Oneida*	ΛΧΑ House
Bellatty, Francis Daniel	*Huntington*	ΧΨ Lodge
Benedikt, Howard Stephen	*New Rochelle*	23 C
Bliss, Charles Wesley	*New Rochelle*	ΛΞΣ House
Bond, Robert Ainey	*Binghamton*	ΔΥ House
Borst, Raymond Richard	*Auburn*	3 S
Braymer, John Durfee	*Granville*	1 S
Bremer, Kenneth Morton	*Maplewood, N. J.*	ΔΚΕ House
Brownlee, Robert Emery	*Geneva*	ΔΚΕ House
Chambers, Arthur Edwin	*Wilmington, Del.*	ΘΔΧ House
Ciaglia, Pasquale	*Utica*	25 N
Clegg, Philip, Jr.	*Worcester*	1 C
Coburn, Charles Albert Vinal	*Hewlett*	ΨΥ House
Colton, William Neely, Jr.	*Irvington-on-Hudson*	ΔΚΕ House
Coriale, Arthur Salvatore	*Utica*	24 N
Corwin, William Hampton	*Corning*	5B N
Cosentino, Anthony Francis Joseph	*West Winfield*	6 S
Cowles, Chauncey Deming, Jr.	*Buffalo*	ΨΥ House

Cowles, Frank Little, Jr.	*Glens Falls*	ΑΔΦ House
Crane, Leroy John	*Clinton*	Philip B. Crane's
Creagh, John Vincent	*Binghamton*	22 N
Crosthwaite, Paul	*East Orange, N. J.*	ΔΚΕ House
Crotty, Paul Burt	*Oneonta*	ΧΒΣ House
Crumb, Henry Herbert, Jr.	*Clinton*	Clinton
Decker, George Emmett	*DeBruce*	ΧΒΣ House
DeGraff, John Garrett	*Amsterdam*	ΔΥ House
DeLaFleur, Louis Eugene	*Utica*	Emerson Hall
DeRosa, Raymond LeRoy	*Utica*	28 N
DeSormo, Leland Kennedy	*Malone*	ΨΥ House
Diggs, Robert Maclary	*Tulsa, Okla.*	ΘΔΧ House
Douglass, Crawford Shelly	*Brooklyn*	ΛΧΑ House
Drejza, Stanley	*Utica*	18A N
Drinkwater, Herbert, Jr.	*Yorkville*	ΛΞΣ House
Ehret, George, 2d	*New York*	ΘΔΧ House
Evans, John Willard	*Verona*	17 S
Fauver, Alfred Lester	*Lorain, O.*	16 S
Fay, Robert Leo	*Rochester*	ΨΥ House
Fletcher, Douglas Winston	*Schenevus*	ΧΒΣ House
Fogle, Richard Harter	*Canton, O.*	ΔΥ House
Frank, Clarence Bertram	*New Rochelle*	23 C
Gaffney, Justin James	*Sauquoit*	15 N
Gardiner, Charles Yeomans	*Amsterdam*	ΑΔΦ House
Gardner, Fred Grant, Jr.	*Alexander*	ΛΞΣ House
Gellman, Irving	*New Rochelle*	11 N
Greeley, Gordon Clarence	*Auburn*	ΧΨ Lodge
Green, Charles Stanley, Jr.	*Yonkers*	ΣΦ Place
Haak, Robert Arnold	*Bayside*	ΧΒΣ House
Hands, William Alfred	*Rutherford, N. J.*	ΘΔΧ House
Hartman, Joseph Cornelius	*New Rochelle*	ΘΔΧ House
Harvey, Roger Allen	*Binghamton*	ΔΥ House
Hawley, Alfred Minor	*New Haven, Conn.*	ΑΔΦ House
Heyl, James Taylor	*Clinton*	ΑΔΦ House
Hicks, Robert James	*North Troy*	ΔΚΕ House
Holden, Theron Timothy	*Honeoye Falls*	29 S
Holley, Horace King, Jr.	*LaCrosse, Wis.*	17 N
Hollinshead, Joseph Bentley	*Englewood, N. J.*	ΨΥ House
Hosmer, Howard Coates	*Auburn*	ΔΚΕ House
Hovey, Donald Harry	*Geneva*	ΔΚΕ House
Howlett, James Lewis	*Skaneateles*	ΔΥ House
Hyde, Charles Russell	*North Troy*	ΛΧΑ House

Jensen, Fred	*Troy*	ΑΞΣ House
Johnson, Harry Norman	*Yonkers*	ΔΤ House
Joslin, Robert Alexander	*Kenilworth, Ill.*	ΑΔΦ House
Kane, John Joseph	*Poughkeepsie*	6 S
Keeler, Frederick Tuthill	*Scarsdale*	ΣΦ Place
Kingsley, George Crossett	*Kenilworth, Ill.*	ΨΤ House
Kinsella, John Charles	*Schenectady*	23 N
Kohler, Arthur Vincent	*Croghan*	ΑΧΑ House
Krueger, Harry Gordon	*Brooklyn*	ΧΒΣ House
Krukowski, Stanley Martin	*Southold*	13 N
Lamont, Robert	*Brooklyn*	ΧΨ Lodge
Laros, George Alvin	*Easton, Pa.*	ΘΔΧ House
Lloyd, Gifford McKinstry	*Brooklyn*	ΔΤ House
Main, Edward North	*Schenectady*	5A N
Marquardt, Marshall Leonard	*Dayton, O.*	Emerson Hall
Martin, Charles David	*Freeport*	ΑΧΑ House
Martin, Donald Law	*Vernon*	ΑΧΑ House
Martin, Gerald Brown	*Freeport*	ΑΧΑ House
Mason, William Beecher	*Yonkers*	ΔΤ House
Massoth, Theodore Carlton	*New Rochelle*	23 C
McGrattan, Thomas Benjamin, Jr.	*Buffalo*	ΔΚΕ House
McKechnie, Elmore Soper	*Rochester*	ΧΒΣ House
Mead, John	*Fort Wayne, Ind.*	ΣΦ Place
Morrill, James Percival, Jr.	*Paterson, N. J.*	ΨΤ House
Morse, Howard Carleton	*Scarsdale*	ΨΤ House
Munson, Donald Leavenworth	*Bridgeport, Conn.*	21B N
Nichols, Ira LaVerne	*Cortland*	ΔΚΕ House
Nuhn, Benjamin John	*Poughkeepsie*	6 S
Ohmann, Robert Carmer	*Lyons*	ΨΤ House
Ollikainen, Everett Nestor	*Huntington Station*	27 N
Olszewski, Edwin Francis	*Utica*	4 N
Orcutt, Daniel James	*Oneonta*	ΧΒΣ House
Parsons, Willard Hall	*White Plains*	29 S
Paul, Gilbert Woodward	*Miami Beach, Fla.*	ΑΔΦ House
Paumier, Charles Joseph	*Rome*	6 N
Pedrick, George James	*Cold Spring Harbor*	ΑΞΣ House
Phillips, Frank Benjamin, Jr.	*Southampton*	26 N
Pierson, Newton Welles	*Minneapolis, Minn.*	10 N
Poppe, John Karl	*Clinton*	Clinton
Qualey, Ellsworth Frederick	*Woodhaven*	ΑΞΣ House
Rawson, Jonathan Nicholl	*Hamilton*	Prof. Wood's
Redmond, Richard Joseph	*New York*	ΔΚΕ House

Reed, Richard Rowe	*Cortland*	ΛΧΑ House
Reinig, William	*New York*	1 C
Robertson, Thomas Grant	*Goshen*	ΑΔΦ House
Ruland, George Nixon	*Patchogue*	Emerson Hall
Saunders, Percy Blake	*Clinton*	ΣΦ Place
Sautter, Frederick Root	*Utica*	ΘΔΧ House
Scanlan, William Dennis	*Brooklyn*	ΔΤ House
Scarpitto, Michael	*North Adams, Mass.*	6 N
Schilz, Herman Frederick	*Utica*	Emerson Hall
Schleit, Philip Willis	*Syracuse*	ΑΔΦ House
Scott, Arthur Irving	*Kingston*	ΧΨ Lodge
Sellers, Paulding Foote, Jr.	*Buffalo*	ΧΨ Lodge
Smith, Addison Judson	*Bainbridge*	ΛΧΑ House
Smith, Albert Benjamin	*Norwich*	ΛΧΑ House
Smith, Rufus Burr	*Bellerose*	ΧΨ Lodge
Sprague, Wilbur B., Jr.	*Rochester*	ΑΔΦ House
Strawbridge, Joseph Kauffman	*Rome*	20 N
Strong, Edward Clark, Jr.	*Buffalo*	13 S
Strully, Kenneth Jerome	*Brooklyn*	5 S
Sullivan, Charles Willard	*Dolgeville*	ΔΤ House
Sweely, James Stewart	*Williamsport, Pa.*	22 C
Symonds, Harold Wilson, Jr.	*New Hartford*	ΣΦ Place
Taffner, John Russell	*Utica*	Emerson Hall
Tait, Robert Patterson	*Brooklyn*	ΧΒΣ House
Thompson, Harry Lybrand	*Indianapolis, Ind.*	ΧΨ Lodge
Toaz, Robert Dunlop	*Huntington*	ΧΨ Lodge
Todd, Charles LaFayette	*Dunkirk*	ΑΔΦ House
Tracy, William Frederick	*Rome*	20 N
Tuthill, Claude Nathaniel	*Miller Place*	ΧΒΣ House
Vickery, Gordon Vogt	*Buffalo*	Emerson Hall
Vosburgh, Clarence Ray	*Attica*	ΛΧΣ House
Vosburgh, Ralph William	*Ames*	10 N
Warfield, Charles Lamoreaux	*Brooklyn*	ΣΦ Place
Waters, Robert Spaulding	*Palmyra*	Emerson Hall
Webb, Wheaton Phillips	*Binghamton*	Emerson Hall
Weedy, William Joseph	*Hempstead*	ΘΔΧ House
Wells, Albert Edward	*Oriskany Falls*	26 S
White, Newton Edgar	*Syracuse*	4 C
White, William Pierrepont, Jr.	*Utica*	ΣΦ Place
Wilson, John Thomas, Jr.	*Rutherford, N. J.*	ΑΔΦ House
Wilson, R. Kerford	*Appleton*	Emerson Hall
Worboys, Carl Stape	*Bergen*	ΛΧΑ House

Work, Henry Harcus, Jr.	*Buffalo*	Emerson Hall
Young, William Henry, Jr.	*Hastings-on-Hudson*	ΔΤ House
Zeller, Howard Alfred	*Munnsville*	1 S

Summary of Registration

Candidates for the Degree of A.M.	3
Seniors	84
Juniors	85
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Total	436

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